SERVICE MANUAL

Ver 1.1 2001, 04

US Model Canadian Model CDX-CA850X/CA860X

> AFP Model UK Model CDX-CA850



Photo: CDX-CA850X

• The tuner and CD sections have no adjustments.

AUDIO POWER SPECIFICATIONS (US Model)

POWER OUTPUT AND TOTAL HARMONIC DISTORTION 23.2 watts per channel minimum continuous average power into 4 ohms, 4 channels driven from 20 Hz to 20 kHz with no more

than 5% total harmonic distortion.

CD player section

90 dB Signal-to-noise ratio 10 - 20,000 Hz Frequency response Below measurable limit Wow and flutter Laser Diode Properties (US, Canadian Model)

GaAlAs Material Wavelength 780 nm **Emission Duration** Continuous Less than 44.6 uW* Laser output power * This output is the value measured at a distance of 200 mm from the objective lens surface on the

Optical Pick-up Block.

Tuner section

Tuning range 87.5 - 107.9 MHz (US, Canadian model) 87.5 - 108.0 MHz (AEP, UK model)

External Antenna connector Antenna terminal 10.7 MHz/450 kHz

Intermediate frequency Usable sensitivity 8 dBf

Selectivity 75 dB at 400 kHz Signal-to-noise ratio 66 dB (stereo), 72 dB (mono)

Harmonic distortion at 1 kHz

0.6% (stereo), 0.3% (mono)

Separation 35 dB at 1 kHz Frequency response 30 - 15,000 Hz

AM (US, Canadian model)

530 – 1,710 kHz (US, Canadian model) Tuning range

Antenna terminal External Antenna connector

Intermediate frequency 10.7 MHz/450 kHz

Sensitivity

MW/LW (AEP, UK model)

Aerial terminal

MW: 531 - 1,602 kHz Tuning range

LW: 153 - 279 kHz External Aerial connector Intermediate frequency 10.7 MHz/450 kHz

MW: 30 μV

LW: 40 μV

9-870-291-12 **Sony Corporation**

2001D0400-1 e Vehicle Company

© 2001. 4 **Shinagawa Tec Service Manual Production Group**

| Model Name Using Similar Mechanism | CDX-C5000R |
|------------------------------------|----------------|
| CD Drive Mechanism Type | MG-383Z-121//Q |
| Optical Pick-up Name | KSS-720A |

SPECIFICATIONS

Power amplifier section

Outputs Speaker outputs (sure seal connectors)

Speaker impedance 4 - 8 ohms Maximum power output 52 W × 4 (at 4 ohms)

General

Outputs Audio outputs (front/rear)

Subwoofer output (mono) Power Antenna relay control lead Power amplifier control lead

Telephone ATT control lead Inputs Illumination control lead

Bus control input connector Bus audio input connector Remote controller input connector Antenna input connector

Tone controls Bass ±10 dB at 62 Hz (US, Canadian model)

Bass ± 8 dB at 100 Hz (AEP, UK model) Treble ±10 dB at 16 kHz (US, Canadian model) Treble ± 8 dB at 10 kHz (AEP, UK model)

Loudness +8 dB at 100 Hz +2 dB at 10 kHz Power requirements 12 V DC car battery

(negative ground)

- Continued on next page -

FM/MW/LW COMPACT DISC PLAYER

FM/AM COMPACT DISC PLAYER

CDX-CA850X/CA860X



 $\begin{array}{ll} \text{Dimensions} & \text{Approx. } 178 \times 50 \times 177 \text{ mm} \\ & (7 \ 1/8 \times 2 \times 7 \text{ in.}) \ (\text{w/h/d}) \\ \text{Mounting dimensions} & \text{Approx. } 182 \times 53 \times 162 \text{ mm} \end{array}$

(7 1/4 × 2 1/8 × 6 1/2 in.) (w/h/d) Mass Approx. 1.3 kg

(2 lb. 10 oz.)

Supplied accessories Parts for installation and connections (1 set)

Front panel case (1) Rotary commander RM-X5S

Card remote commander RM-X112 (CDX-CA850X/CA860X)

RM-X113 (CDX-CA850)

Note

This unit cannot be connected to a digital preamplifier or an equalizer.

Design and specifications are subject to change without notice.

SERVICE NOTES

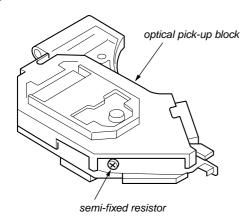
• US, Canadian model

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

If the optical pick-up block is defective, please replace the whole optical pick-up block.

Never turn the semi-fixed resistor located at the side of optical pick-up block.



NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body. During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.

The flexible board is easily damaged and should be handled with care.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK \triangle OR DOTTED LINE WITH MARK \triangle ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

AEP, UK model

CLASS 1 LASER PRODUCT

This label is located on the bottom of the chassis.

CAUTION—INVISIBLE LASER RADIATION WHEN OPEN
DO NOT STARE INTO BEAM OR
VIEW DIRECTLY WITH OPTICAL INSTRUMENTS

This label is located on the drive unit's internal chassis.

When replacing the chassis (T.U) of mechanism deck which have the "CAUTION LABEL" attached, please be sure to put a new CAUTION LABEL (3-223-913-11) to the chassis (T.U).

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

Notes on Chip Component Replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

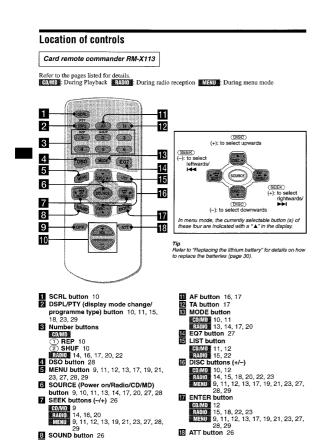
LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE A SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

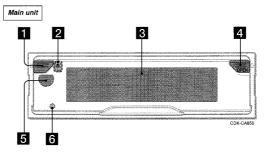
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SECTION 1 GENERAL

This section is extracted from AEP. UK model's instruction manual.





- Power on/off button*
 △ (eject) button (located on the front side of the unit, behind the front panel) 9
 Display window
 OPEN button 8, 9
 Receptor for the card remote commander and rotary commander
 RESET button (located on the front side of the unit, behind the front panel) 7
- * Warning when installing in a car without an ACC (accessory) position on the ignition switch.

 After turning off the ignition, be sure to press the power on/of button on the unit (or COFF) on the card remote commander or the rotary commander) for 2 seconds to turn off the
- commander) for 2 seconds to turn off the clock display.

 Otherwise, the clock display does not turn off and this causes battery drain.

 To turn the unit on, press the power on/off button (1) on the unit.

Note
If the unit is turned off by pressing the power on/
off button on the unit (or COFF) on the card
remote commander or the rotary commander) for
2 seconds, the unit cannot be operated with the
card remote commander or the rotary
commander unless the power on/off button on the
unit is pressed or a disc is inserted to activate the
unit.

5

Notes on CD-R/CD-RW discs

You can play CD-Rs (recordable CDs) designed for audio use on this unit.
Look for this mark to distinguish CD-Rs for audio use.

29 8 SOUND button 26 9 OFF (Stop/Power off) button 8, 9, 29 10 VOL buttons (+/-) 17



This mark denotes that a disc is not for audio use





- Some CD-Rs (depending on the equipment used for its recording or the condition of the disc) may not play on this unit.
 You cannot play a CD-R that is not finalized*.
 * A process necessary for a recorded CD-R disc to be played on the audio CD player.
 You cannot play CD-RWs (rewritable CDs) on this unit.

Getting Started

Resetting the unit

Before operating the unit for the first time, or after replacing the car battery or changing the connections, you must reset the unit. Remove the front panel and press the RESET button with a pointed object, such as a ballpoint



Note
Pressing the RESET button will erase the clock setting and some stored contents.

Detaching the front panel

You can detach the front panel of this unit to protect the unit from being stolen.

Caution alarm

Caution alarm
If you turn the ignition switch to the OFF
position without removing the front panel, the
caution alarm will beep for a few seconds.

If you connect an optional amplifier and do not
use the built-in amplifier, the beep sound will be
deactivated.

- Press the power on/off button on the unit (or (OFF) on the card remote commander or the rotary commander)*.

 CD/MD playback or radio reception stops (the display remains on).

 If your car has no ACC position on the ignition switch, be sure to turn the unit off by pressing the power on/off button on the unit (or (OFF) on the card remote commander or the rotary commander) for 2 seconds to avoid car battery drain.



- Notes

 If you detach the panel while the unit is still turned on, the power will turn off automatically to prevent the speakers from being damaged.

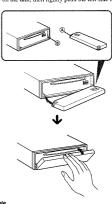
 Do not drop on put excessive pressure on the front panel and its display window.

 Do not subject the front panel to heathigh temperature or moisture. Avoid leaving it in parked cars or on desthobards/era truth.

When carrying the front panel with you, use the supplied front panel case.

Attaching the front panel

Place hole (A) of the front panel onto the spindle (B) on the unit, then lightly push the left side in.



Note

Do not put anything on the inner surface of the front

7

Setting the clock

The clock uses a 24-hour digital indication

Example: To set the clock to 10:08

1 Press (MENU), then press either side of (DISC) repeatedly until "Clock" appears.



- 1 Press ENTER.
 The hour indication flashes
- 2 Press either side of (DISC) to set the hour.
- Press the (+) side of (SEEK).
 The minute indication flashes.
- Press either side of DISC to set the minute.
- 2 Press ENTER).

Labelling a CD

3 Press (ENTER).

Sec Trees I

4 Enter the characters.

— Disc Memo (For a CD unit with the CUSTOM FILE function)

You can label each disc with a custom name (Disc Memo). You can enter up to 8 characters for a disc. If you label a CD, you can locate the disc by name (page 12).

1 Start playing the disc you want to label in a CD unit with the CUSTOM FILE

Press MENU, then press either side of OISC repeatedly until "Name Edit" appears.

The unit will repeat the disc during the labelling procedure.

Press the (+)*1 side of DISC repeatedly to select the desired character.

 $\begin{array}{c} A \rightarrow B \rightarrow C \dots \rightarrow 0 \rightarrow 1 \rightarrow 2 \dots \rightarrow + \\ \rightarrow - \rightarrow * \dots \rightarrow " *^2 \rightarrow A \end{array}$

*1 For reverse order, press the (-) side of \(\overline{\Disc}\).

*2 (blank space)

Press the (+) side of SEEK after locating the desired character.

uec lunci

5 To return to normal CD play mode, press (ENTER).

0 l 2.15 · CĴ2 ·

10:08

The clock starts. After the clock setting is completed, the display returns to normal play mode.

- Tips
 You can set the clock automatically with the RDS feature (page 19).
 When D.Info mode is set to on, the time is always displayed (page 26).

CD Player CD/MD Unit (optional)

In addition to playing a CD with this unit, you can also control external CD/MD units.

Note If you connect an optional CD unit with the CD TEXT function, the CD TEXT information will appear in the display when you play a CD TEXT disc.

Playing a disc

(With this unit)

1 Press OPEN and insert the disc (labelled side up).



2 Close the front panel

If a disc is already inserted, press SOURCE repeatedly until "CD" appears to start playback

| То | Press |
|---|---|
| Stop playback | (OFF) |
| Eject the disc | OPEN) then ▲ |
| Skip tracks - Automatic Music Sensor | (SEEK) (I◄◄/►►I) [once for each track] |
| Fast-forward/ reverse - Manual Search | (SEEK) (◀◀/▶▶) [hold to desired point] |

Tips

• Simply overwrite or enter "
□ " to correct or erase a

Simply overwrite or enter " to correct or enase a mane as another way to start labeling a CD. Press (USE) for 2 seconds instead of performing steps 2 and 3, four can also complete the operation by pressing (USE) for 2 seconds instead of step 5. You can labet CDS on a unit without the CUSTOM FILE function if that unit is connected along with a CD unit that has the function. The ISOs Metron will be stored in the memory of the CD unit with the CUSTOM FILE function.

Note
Repeat/shuffle play is suspended until the Name Edit is complete.

As a display item, the Disc Memo always takes priority over any original CD TEXT information.

DSPL/PTY) during CD/CD TEXT disc playback

Press

Tip To find out about other items that can be displayed, see page 10.

1 Press SOURCE repeatedly to select "CD."

2 Press MODE repeatedly to select the CD unit storing the Disc Memo.

Press (MENU), then press either side of (DISC) repeatedly until "Name Del" appears.

5 Press either side of (DISC) repeatedly to select the disc name you want to erase.

The stored names will appear.

Viewing the Disc Memo

Erasing the Disc Memo

4 Press ENTER.
The stored names will appear.

То

continue to next page →

- Notes

 When the last track on the disc is over, playback restarts from the first track of the disc.

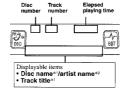
 With optional unit connected, playback of the same source will continue on to the optional CD/MD unit.

- 1 Press SOURCE repeatedly to select "CD" or "MD."
- 2 Press MODE repeatedly until the desired unit appears. Playback starts.

| То | Press | |
|-----------------------------|-------|--|
| Skip discs - Disc selection | (+/-) | |

Display items

When the disc/track changes, any prerecorded title*1 of the new disc/track is automatically displayed (if the Auto Scroll function is set to "on," names exceeding 8 characters will be scrolled (page 26)).



| То | Press |
|---------------------|------------|
| Switch display item | (DSPL/PTY) |
| Scroll display item | (SCRL) |

- *1 When pressing (OSPUPTY), "NO D.Name" or "NO T.Name" indicates that there is no Disc Memo (page 11) or prerecorded name to display. *2 Only for CD TEXT discs with the artist name.

- Some characters cannot be displayed.
 For some CD TEXT discs with very many characters, information may not scroll.
 This unit cannot display the artist name for each track of a CD TEXT disc.

Tip
When Auto scroll is set to off and the disc/track name
is changed, the disc/track name does not scroll.

Playing tracks repeatedly

- Repeat Play

The disc in the main unit will repeat a track or the entire disc when it reaches the end. For repeat play, you can select:

- Repeat 1 to repeat a track. Repeat 2* to repeat a disc.
- Available only when one or more optional CD/MD units are connected.

During playback, press ① (REP) repeatedly until the desired setting appears in the display.
Repeat Play starts.

To return to normal play mode, select "Repeat off."

Playing tracks in random order

— Shuffle Play

- You can select: \bullet Shuf 1—to play the tracks on the current disc in random order. \bullet Shuf 2^{+4} —to play the tracks in the current optional CD (MD) unit in random order. \bullet Shuf 3^{142} —to play all the tracks in all the connected CD (MD) units (including this unit) in random order.
- *1 Available only when one or more optional CD (MD) units are connected.
 *2 Available only when one or more optional CD units, or two or more optional MD units are connected.

During playback, press ② (SHUF) repeatedly until the desired setting

To return to normal play mode, select "Shuf off."

Note
"Shuf All" will not shufile tracks between CD units and

10

9

Locating a disc by name

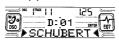
— List-up (For a CD unit with the CD TEXT/ CUSTOM FILE function, or an MD unit)

You can use this function for discs that have assigned custom names*1 or for CD TEXT discs*2.

- *1 Locating a disc by its custom name: when you assign a name for a CD (page 11) or an MD.

 *2 Locating discs by the CD TEXT information: when you play a CD TEXT disc on a CD unit with the CD TEXT function.

1 Press LIST).
The name assigned to the current disc appears in the display.



- 2 Press either side of DISC repe until you find the desired disc.
- 3 Press ENTER to play the disc.

Note Some letters cannot be displayed (exception: Disc

Selecting specific tracks for playback

— Bank (For a CD unit with the CUSTOM FILE

If you label the disc, you can set the unit to skip or play the tracks of your choice.

- 1 Start playing the disc you want to
- 2 Press MENU, then press either side of DISC repeatedly until "Bank Sel" appears.
- 3 Press (ENTER).



- 4 Label the tracks.
- Press either side of SEEK repeatedly to select the track you want to label.
- Press <u>ENTER</u> repeatedly to select "Play" or "Skip."
- 5 Repeat step 4 to set "Play" or "Skip" for all the tracks.
- 6 Press MENU twice.
 The unit returns to normal CD play mode.
- Notes
 You can set "Play" and "Skip" for up to 24 tracks.
 You cannot set "Skip" for all the tracks on a CD.

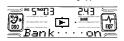
<u>S<u></u></u> The name is erased. Repeat steps 5 and 6 if you want to erase other names. If you press the (-) side of (SEEK), you can move back to the left. Seperate Steps 1 and 2 to enter the entire name.

7 Press MENU twice.
The unit returns to normal CD play mode.

6 Press (ENTER) for 2 seconds

Notes • When the Disc Memo for a CD TEXT disc is erased, the original CD TEXT information is displayed. • If you cannot find the Disc Memo you want to erase, try selecting a different CD unit in step 2.

- Playing specific tracks only
 You can select:
 Bank on to play the tracks with the "Play" setting.
- Bank inv (Inverse) to play the tracks with the "Skip" setting.
- 1 During playback, press (MENU), then press either side of (DISC) repeatedly until "Bank on," "Bank inv," or "Bank off" appears off" appears.
- 2 Press the (+) side of SEEK repeatedly until the desired setting appears.



3 Press ENTER. Playback starts from the track following the current one.

To return to normal play mode, select "Bank off" in step 2.

Radio

The unit can store up to 6 stations per band (FM1, FM2, FM3, MW, and LW).

Caution
When tuning in stations while driving, use Best Tuning Memory to prevent accidents.

Storing stations automatically

--- Best Tuning Memory (BTM)

The unit selects the stations with the strongest signals within the selected band, and stores them in the order of their frequency.

- 1 Press SOURCE repeatedly to select the radio.
- 2 Press (MODE) repeatedly to select the band.
- 3 Press MENU, then press either side of DISC repeatedly until "BTM" appears.
- 4 Press ENTER.
 A beep sounds when the setting is stored.

- Notes
 If only a few stations can be received due to weak signals, some number buttons will retain their former
- signals, some number buttons will retain unon settings. settings. When a number is indicated in the display, the unit starts storing stations from the one currently displayed.

Receiving the stored stations

- 1 Press (SOURCE) repeatedly to select the radio.
- 2 Press MODE repeatedly to select the band.
- 3 Press the number button (1 to 6) on which the desired station is stored.

TIp
Press either side of DISC to receive the stations in
the order they are stored in the memory (Preset
Search function).

If preset tuning does not work

Press either side of SEEK to seam for the station (automatic tuning). Scanning stops when the unit receives a station. Repeat until the desired station is received.

- Tips

 I automatic uning stops too frequently, turn on the Local Seek to limit seek to stations with stronger signals (see "Changing the sound and display settings" on page 26).

 If you know the frequency of the station you want to islen to, press and hold either side of (SEEE) to locate the approximate frequency, then press (SEEE) repeatedly to fine adjust to the desired frequency (manual tuning).

If FM stereo reception is poor

Select monaural reception mode (see "Changing the sound and display settings" on page 26). The sound improves, but becomes monaural ("ST" disappears).

Storing only the desired stations

You can manually preset the desired stations on any chosen number button.

- 1 Press (SOURCE) repeatedly to select the radio.
- 2 Press (MODE) repeatedly to select the band.
- 3 Press either side of SEEK to tune in the station that you want to store.
- 4 Press the desired number button (1 to 6) for 2 seconds until "MEM" appears.

 The number button indication appears in the

If you try to store another station on the same number button, the previously stored station will be erased.

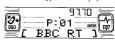
13 14

Tuning in a station through a list

— List-ur

During radio reception, press (LIST) momentarily.

The frequency or the name assigned to the current station appears in the display.



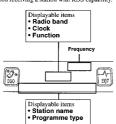
- 2 Press either side of DISC repeatedly until you find the desired station.

 If no name is assigned to the selected station, the frequency appears in the display.
- 3 Press (ENTER) to tune in the desired station.

RDS

Overview of RDS

FM stations with Radio Data System (RDS) service send inaudible digital information along with the regular radio programme signal. For example, one of the following will be displayed upon receiving a station with RDS capability.



| То | Press |
|----------------|------------|
| Switch display | (DSPL/PTY) |

RDS services

- RDS atar offers you other conveniences, such as:

 Automatic retuning of a programme, helpful during long-distance drives. AF → page 16

 Receiving traffic announcements, even when enjoying another programme/source. TA → page 17

 Selecting stations by the type of programme it broadcasts, PTY → page 18

 Automatic clock time setting. CT → page 19

- Notes

 Depending on the country or region, not all of the RDS functions are available.

 RDS may not work properly if the signal strength is weak or if the station you are turned to is not transmitting RDS data.

102.5 MHz

Automatic retuning for best

The alternative frequencies (AF) function allows the radio to always tune into the area's strongest signal for the station you are listening to.

reception results

- AF function

- 1 Select an FM station (page 13). 2 Press (AF) repeatedly until "AF on"
- appears.
 The unit starts searching for an alternative frequency with a stronger signal in the same

network.

If "NO AF" flashes, the currently tuned into station does not have an alternative frequency.

frequencies

Press either side of (SEEK) while the station name is flashing (within 8 seconds). The unit starts searching for another frequency with the same PI (Programme Identification) data ("PI Seek" appears). If the unit cannot find the same PI, the unit returns to the previously selected frequency.

Staying with one regional programme

When AF function is on: this unit's factory-set setting restricts reception to a specific region, so you won't be switched to another regional still on with a stronger frequency. If you leave this regional programme's reception area or would like to take advantage of the whole AF function, select "REG off" from the MENU (page 27).

Note
This function does not work in the United Kingdom and in some other areas.

Local Link function

(United Kingdom only)

This function enables you to select other local stations in the area, even if they are not stored on your number buttons.

- 1 Press a number button (① to ⑥) that has a local station stored on it.
- 2 Within 5 seconds, press the number button of the local station again.
- 3 Repeat this procedure until the desired local station is received.

16

15

Receiving traffic announcements

— TA/TP

By activating the Traffic Announcement (TA) and Traffic Programme (TP), you can automatically tune in an FM station broadcasting traffic announcements. These settings function regardless of the current FM programme/source, CD/MD; the unit switches back to the original source when the bulletin is over.

Press (TA) repeatedly until "TA on"

- appears.
 The unit starts searching for traffic information stations.
 "IP" indicates reception of such stations, and "TA" flashes during an actual traffic announcement. The unit will continue searching for stations available with TP if "NO TP" is indicated.

To cancel all traffic announcements, select "TA

| То | Press |
|--------------------------------|-------|
| Cancel current announcement | TA |

Tip
You can also cancel the current pressing (SOURCE) or (MODE).

Presetting the volume of traffic announcements

You can preset the volume level of the traffic announcements so you won't miss hearing them.

- 1 Press VOL to adjust the desired volume level.
- 2 Press TA for 2 seconds.
 "TA" appears and the setting is stored.

Receiving emergency announcements If either AF or TA is on, the unit will switch to emergency announcements, if one comes in while listening to an FM station or CD/MD.

Presetting RDS stations with AF and TA setting

When you preset RDS stations, the unit stores each station's AF/TA setting (on/off) as well as its frequency. You can select a different setting (for AF, TA, or both) for individual preset stations, or the same setting for all preset stations. If you preset stations with "AF on," the unit automatically stores stations with the strongest radio signal.

Presetting the same setting for all preset stations

- 1 Select an FM band (page 13).
- Press (AF and/or (TA) to select "AF on" and/or "TA on."
 Note that selecting "AF off" or "TA off" stores not only RDS stations, but also non-RDS stations.
- 3 Press (MENU), then press either side of (DISC) repeatedly until "BTM"
- 4 Press (ENTER) until "BTM" flashes.

Presetting different settings for each

- 1 Select an FM band, and tune in the desired station (page 14).
- 2 Press (AF) and/or (TA) to select "AF on" and/or "TA on."
- 3 Press the desired number button (1 to 6) until "MEM" appears.

Repeat from step 1 to preset other stations

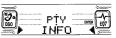
Tuning in stations by programme type

— PTY

You can tune in a station by selecting the type of programme you would like to listen to.

| Programme types | Display |
|-----------------------|----------|
| News | News |
| Current Affairs | Affairs |
| Information | Info |
| Sports | Sport |
| Education | Educate |
| Drama | Drama |
| Culture | Culture |
| Science | Science |
| Varied | Varied |
| Popular Music | Pop M |
| Rock Music | Rock M |
| Easy Listening | Easy M |
| Light Classical | Light M |
| Classical | Classics |
| Other Music Type | Other M |
| Weather | Weather |
| Finance | Finance |
| Children's Programmes | Children |
| Social Affairs | Social A |
| Religion | Religion |
| Phone In | Phone In |
| Travel | Travel |
| Leisure | Leisure |
| Jazz Music | Jazz |
| Country Music | Country |
| National Music | Nation M |
| Oldies Music | Oldies |
| Folk Music | Folk M |
| Documentary | Document |

Press (DSPL/PTY) during FM reception until "PTY" appears.



The current programme type name appears if the station is transmitting the PTY data. "-----" appears if the received station is not an RDS station, or if the RDS data is not

- 2 Press DISC repeatedly until the desired programme type appears. The programme types appear in the order shown in the table. "-----" appears if the programme type is not specified in the RDS data.
- 3 Press (ENTER).
 The unit starts searching for a station broadcasting the selected programme type.

17

18

Receiving the preset services

Following procedure is available after presetting the service. For details on presetting the services, refer to "Presetting DAB services automatically," (page 21) and "Presetting DAB services manually" (page 21).

- 1 Press (SOURCE) repeatedly to select the radio.
- 2 Press MODE repeatedly to select "DAB."
- 3 Press either side of DISC repeatedly to select the preset service.

Tiper is another way to receive the preset service (preset on numbers 1 to 6).

Press the number button (① to ⑥) on which the desired service is stored.

Refer to the level indication to check the receiving condition of the DAB programme The level indication increases as the strength of the receiving signal increases.

level 1 ievel 2 level 3 level 4

If no service of the selected programme type is available, "---" will be displayed.
"---" will flash in the display if the reception is

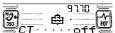
To display the level indication, turn off the Motion Display (page 26).

Setting the clock automatically

-ct

The CT (Clock Time) data from the RDS transmission sets the clock automatically.

1 During radio reception, press (MENU), then press either side of (DISC) repeatedly until "CT off" appears.



- 2 Press the (+) side of SEEK repeatedly until "CT on" appears.
 The clock is set.
- 3 Press (ENTER) to return to the normal display.

To cancel the CT function, select "CT off" in step

- Notes
 The CT function may not work even though an RDS station is being received.
 There might be a difference between the time set by the CT function and the actual time.

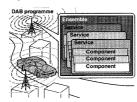
DAB (optional)

You can connect an optional DAB tuner to this

Overview of DAB

DAB (Digital Audio Broadcasting) is a new multimedia broadcasting system that transmits audio programmes with a quality comparable to that of CDs. This is made possible by the use of a microcomputer in the DAB tuner which uses the radio signals sent from multiple aerials and multi-path signals (reflected radio waves) to boost the strength of the main signal. This makes DAB almost immune to radio interference even in a moving object such as a car.

Each DAB station bundles radio programmes (services) into an ensemble which it then broadcasts. Each service contains one or more components. All ensembles, services, and components are identified by name, so you can access any of them without having to know their frequencies.



- Notes

 The DAB system is still in a testing phase. Some services have not been sufficiently defined or are services have not been sufficiently defined or are not supported by the optional DAB tuner unit XT. 1000AB.

 DAB programmes are broadcast in Band-III (774 to 240 MHz) and L-Band (1,462 to 1,492 MHz), with each band divided tinto channels (41 in Band-III and 25 in L-Band). One ensemble is broadcast per channel by each DAB station.

Basic operations of DAB

Note
You cannot use this function in some countries where
no PTY (Programme Type selection) data is available.

Searching for the ensemble and

- service
 Automatic Tuning
- 1 Press SOURCE repeatedly to select the radio.
- 2 Press MODE repeatedly to select "DAB."



The unit will stop seeking when an ensemble is located. The unit will then automatically select the first service and display its name, and the display indicator will change from "Seek +"/"Seek -" to the service name.

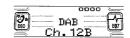
4 Press either side of SEEK to select the desired service.

Selecting the ensemble

Manual Tuning

If you know the channel number of ensemble, follow the procedure below to tune in.

- 1 Press (SOURCE) repeatedly to select the radio.
- 2 Press MODE repeatedly to select "DAB."
- 3 Press either side of (DISC) until "Ch. XXX" appears.



4 Press either side of (DISC) repeatedly until the desired channel number

Presetting DAB services automatically

— BTM

The BTM (Best Tuning Memory) function picks out DAB ensembles and automatically assigns the services within the ensembles to preset service numbers. The unit can preset up to 40 services.

If services have been previously set, the BTM function operates under the following conditions:

If you activate the BTM function while listening to a preset service, the unit will store detected services (by overwriting) only to preset numbers higher than that of the current present service.

If you activate the function while listening to a service that is not preset, the unit will replace the contents of all preset numbers.

In both cases above, if the unit detects a service that is identical to one already preset, the previously stored service remains unchanged and the newly detected service is not preset.

- 1 While listening to a DAB programme, press (MENU).
- 2 Press either side of DISC repeatedly until "BTM" appears.

A beep sounds when the service is stored.
After activating the BTM function, the unit tunes the service assigned in the preset memory I automatically.

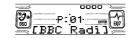
Note
If the unit can only tune in a lew services, the BTM
function may not assign services to all the preset
service numbers.

Presetting DAB services manually

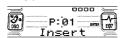
--- Preset Edit

You can also preset DAB services manually or delete a service which is already preset. Note that up to 40 services (preset either by the BTM function or manually) can be preset to the unit's memory.

- 1 While listening to a DAB programme, press MENU.
- 2 Press either side of DISC repeatedly until "PRS Edit" appears, then press ENTER).
- 3 Select the service and the preset number you want to preset.
 - Press either side of SEEK to select the service.
 - 2 Press either side of (DISC) to select the preset number.



S Press (ENTER). The Preset Edit commands will appear in the display.



- 4 Press either side of DISC to select the desired command.

5 Press (ENTER).
To edit other services, repeat steps 3 and 4.

continue to next page -

Replacing the services in preset memories

Press either side of DISC to select "Over Wrt" in step 4, then press ENTER.

Tip
There is another way to preset the service (on numbers 1 to 6).

After receiving the service, press the desired number button (1 to 6) until a beep sounds.

Adding the services in preset

Press either side of OISC to select "Insert" in step 4, then press (ENTER).

Note
"Insert" does not appear if the maximum number of
services (40) is already preset in memory.

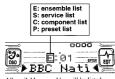
Erasing the services in preset

memories
Press either side of OISO to select "Delete" in step 4, then press (ENTER).

Tuning in DAB programme through a list

Follow the procedure below to tune in a DAB programme manually.

1 While listening to a DAB programs press (UST) repeatedly until "E" (ensemble list) appears.



All available ensembles will be listed.

All available ensembles will be listed.

2 Press either side of DISC until the desired ensemble appears, then press (ENTER).

The first service for the ensemble is selected automatically.

3 Press (LIST) repeatedly until "S" (service list) appears.
All services available for the ensemble will be listed.

4 Press either side of DISC repeatedly until the desired service appears, then press (ENTER). The first component for the service is selected automatically.

5 Press LIST repeatedly until "C" (component list) appears.
All components available for the service will be listed.

6 Press either side of DISC until the desired component appears, then press ENTER.

21

22

Automatic updating of the ensemble

HIST
When you perform the BTM function for the first
time, all the ensembles available in your area are
automatically stored. When you perform the
BTM function again, the contents of these lists
are updated in accordance with the conditions

DINY function again, me contents or uses riss are updated in accordance with the conditions described on page 31 and a mesemble is added to the respective list when it is received during Automatic Tuning or Manual Tuning but is unlisted. An ensemble is also deleted from the respective list of the second of th

- cannot be received. you perform Automatic Tuning or Manual Tuning to receive a listed ensemble, service, or the component, but it cannot be received.

Switching multi-channel audio and DRC

DAB can contain multi-channel audio. You can select main or sub-channel for reception. Also, fivou turn on the DRC (Dynamic Range Control) function, the dynamic range on the service which supports DRC can automatically be extended. The following items can be set:

- BLCIL — to select the channel from either "Main" (main-channel) or "Sub" (sub-channel).

- channel).
 DRC to turn on or off the function
- 1 While listening to a DAB programme, press (MENU).
- 2 Press either side of (DISC) repeatedly until "DRC" or "BLGL" appears.
- 3 Press either side of (SEEK) to select the desired setting (Example: "on" or "off").
- 4 Press ENTER).

Note "BLGL" appears in the menu only when the unit is receiving a multi-channel programme.

Locating a DAB service by programme type (PTY)

You can use the PTY (Programme type selection) function to tune in the programme you want.

- 1 While listening to a DAB programme, press DSPL/PTY).
- Press either side of DISC repeatedly to select the programme type.

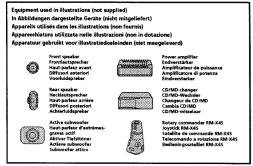


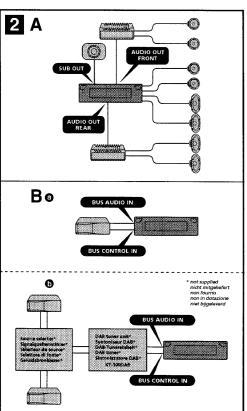
The programme types appear in the order shown on page 18.

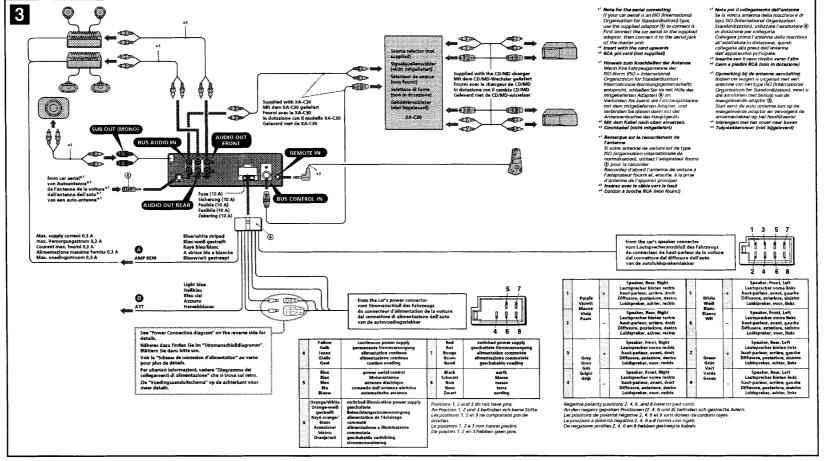
3 Press (ENTER). Searching for a service of the selected programme type begins automatically.

INFO

Connection







Cautions

"This unit is designed for negative earth 12 V DC operation only.

Do not get the wires under a xrrw, or caught in moving parts (e.g. seat railing).

Before making connections, turn the car ignition off to avoid short-circuits.

Connect the power connecting cord @ to the unit and speakers before connecting it to the auxiliary nower romesting.

power connector.

• Run all aarth wires to a common earth point.
• Be sure to insulate any loose unconnected wires with electrical tape for safety.

Notes on the power supply cord (yellow)

• When connecting this unit in combination with olher steres components, the connected car circuit's rating must be higher than the sum of each component's fuse.

• When no car circuits are rated high enough, connect the unit directly to the battery.

Parts list (11)

The numbers in the list are keyed to those in the instructions.

Handle the bracket ① carefully to avoid injuring your fingers.



Connection example (2)

Notes (@-A)

- Be sure to connect the earth cord before connecting the amplifier

- If you connect an optional power amplifier and do not use the built-in amplifier, the beep sound will be deactivated.

Tip (2-8-0)
For connecting two or more CD/MD changers, the source selector XA-C30 (optional) is necessary.

Connection diagram (3)

10 To AMP REMOTE IN of an optional power This connection is only for amplifiers. Connecting any other system may damage the unit.

Warning
If you have a power aerial without a relay box, connecting this unit with the supplied power connecting cord
may damage the aerial.

Notes on the control leads

- The power aerial control lead (blue) supplies +12 V

DC Whan you turn on the turner or when you

DC Whan you turn on the turner or when you

Amountement, function.

- Amountement, function.

- Amountement, function.

- Amountement, function in the rearriside glass, connect the power aerial

the rearriside glass, connect the power aerial

isead (ead) or the accessor power input

isead (ead) to the power turninal of the esisting

- A power aerial without a relay bos cannot be used.

even when the ignition switch is turned off.

Notes on speaker connection

Before connecting the speakers, turn the unit off.

Use speakers with an impedance of 4 to 8 chms,
and with adequate power handling capacities to
avoid its damage.

Description of the speaker terminals to the car
chassis, or connect the entrainals of the right
speakers with those of the left speaker.

Do not connect the earth lead of this unit to the
nagative (-) terminal of the car.

Connecting active

Connecting active

cerminals may damage the unit to the built in
speaker with a speaker car if the unit shares
a common negative (-) lead for the right and left
speakers.

Do not connect the left speaker car if the unit shares
a common negative (-) lead for the right and left
speakers.

Nemarques sur le cortroin d'ammentation (jaune)

Lossque cet appareil est raccordé à d'autres
éléments stéréo, la valeur nominale des circuits de la voiture raccordée doit être supérieure à la somme des fusibles de chaque élément.

Si aucun circuit de la voiture n'est assez puis-sant, raccordez directement l'appareil à la batterie.



Exemple de raccordement (2)

Conseil (2-8-9)
Dans le cas du raccordement de deux changeurs de CDIMD ou plus, le sélecteur de source XA-C30 (en option) est indispensable.

Schéma de raccordement (3)

Au niveau du AMP REMOTE IN d'un amplificateur de puissance facultatif Ce raccordement existe seulement pour les amplificateurs. Le raccordement à fout autre système peut endommager l'appareil.

Avertissement
Si vous disposez d'une antenne electrique sans
boitier de relais, le branchement de cet appareil au
moyen du cordon d'alimentation fourni (1) risque
d'endommaere l'antenne.

Précautions

Précautions

«Cal appareil est concu pour fonctionner our
courant continu de 12 / vave maior négatire.

«Evitez de finer des vise une lochée ou de coincer
ceau-ci dans des pièces mobiles (par exemple,
armahur de siène les contentiereits).

«Avant d'effectuer des raccordements, étispare le
moteur pour évite les courts-circuits.

«Branchez le cordon d'alimention (0) sur l'appareil
et les haut partieurs avant de le brancher sur le
connecleur d'alimentation auviliaire.

«Rassemblez tous les fifs de terre en un point de
masse commun.

vielle à sioler avec du chatlerton tout fil lâche
non raccordé.

Remarques sur le cordon d'alimentation (jaune)

Liste des composants (11)

Attention
Manipulez précautionneusement le support ①
pour éviter de vous blesser aux doigts.

Exemple de l'accordement (2)
Ramarques (3-A)
- Raccordez d'aband le fil de masse avant de
raccorder l'amplificateur
- Si vous raccordez un amplificateur de puissance
indépendant et que vous ruttilisez pas
l'amplificateur intégré, le bip sonore est désactivé

Vers le cordon de liaison d'un téléphone de volture

Vorsicht

Vorsicht

Dieses Graft ist ausschließlich für dem Betrieb bos 12 V Gleischstrom (negative Erdung) bestimmt.

Achten Sie dazult daß die Kahe nicht unter einer Schraube oder zwischen beweglich hen Teilen wie z. Sie nie sein Steutschneie eingest kennt Werden.

Schalten Sie bevor Sie ipgendwelche Anschlüsse Kurzschlüsse zu vermeiden.

Verbinden Sie das Steutwersenger aus, unt dem Graft und den Lautsprechen, bevor Sie es mit dem Hillisstromanschuld verbinden.

Schließen Sie alle Erdungskabel am einen Schließen Sie alle Erdungskabel am einen Lautsprechen zu eine Ausschießen sie Steutwersen unter den Ausschießen aus eine Manne den Lautsprechen zu eine Ausschießen aus der Erdungskabel am einen Zehließen Sie Sie Erdungskabel am einen Lautsprechen Drähle mit beilerhand absiediert werden. eminiciation oder die AF. (Alternativinequenzische) oder dell TA-institution (Verkendruchsagen) attrivieres.

Attrivieres.

Attrivieres.

Attrivieres.

Attrivieres.

Attrivieres.

Attrivieres.

Anternamenschapel integrieren FAR (UKW)MW (W. Antenne ausgestatet ist, schlieden Sie die Motorantennen Seuerieitung (rot) an den der Luberhöstromenschapelmittelling (rot) an den den Anternamenschapelmittelling (rot) an den den Anternamenschapelmittelling (rot) an den den Anternamenschaften an, Nahens dazu erfahren Sie bei Isrem Händler.

Sie heil Isrem Händler.

Sie heil Isrem Händler.

Sie heil Isrem Händler.

Sie weiter und Motorantenne mit Relaiskastchen angeschlossen werden angeschlossen ist, wird der Spalicher Steit, (auch bei ausgeschalteter Jurdung) mit Strom werongt.

Hilmweise zum Lestapscheramechte

Schalten Sie das Gest aus, bevor Sie die Lastispsche anschließen.

Aus der Schalten Sie das Gest aus, bevor Sie die Lastispsche anschließen.

Jewischen 4 das Gehm und aussteilunder und einem des Inham Lautspechen.

Jewischen 4 und 8 Ohm und aussteilunder Se auch nicht ein dem Aussteilung der ausschließen dem Kopanchassis, und weitlinden Sie auch nicht den Ausschließen des reichten dir deren des Inham Lautspechen sie einen Lautsprechen einen Lautsprechen einen Lautsprechen einer Steine dieses Gerät mit werden.

Hirweise zu den Steuerieitungen

- Die Motoranieranen Steuerieitung (blau) liefert

+ 12 V Gleichstrom, wenn Sie den Turner
einschalten oder die AF- (Alternstufvequerzsuche)
oder die TA-Funktion (Verkehrsdurchsagen)

Remarques sar les fils de controlle

- Le fil de commande (biss) de l'antenne électrique
suruse une alimentation de -12 V CC longue vous
matica le syntonieur sus femion ou fongue vous
matica le syntonieur sus femion ou fongue vous
matica le syntonieur sus femion ou fongue vous
matica le syntonieur sus femion de conduire) ou
Longue votre voiture est équipée d'une artenne
FAMMENU l'intégrée dans la vitre arrivealitation
(biella ou l'antries d'alimentation des accessions
(fougle) ou l'antries d'alimentation des accessions
(fougle) ou l'antries d'alimentation des accessions
(fougle) au bominé de l'amplification d'antenne
estatant. Pour plus de détaits, consultar voire
estatant. Pour plus de détaits, consultar voire
estatant plus de détaits, consultar voire
estatant plus de détaits, consultar voire
pour passe de décrippe sans fourier de relais pre
pour pas étre utilisée avec cet appareil. Raccordement pour la conservation de la mémoire Lorsque le fil d'entrée d'alimentation jaume est raccorde, le circuit de la mémoire est alimenté en permanence même si la clé de contact est sur la position d'arrêt.

werden.

Hinweise zum Stromversorgungskabel (gelb)

Hinweise zum Stromversorgungskabel (gelb)

Wenn Sie dieses Gerätt zusammen mit anderen
Stereckomponenten anschließen, muß der
Autorischmeise, an den die Geräte, muß der
Autorischmeise, an den die Geräte, muß der
Sind, eine höhrer Leistung aufveisen als die
Komponenten.

Wenn kein Auflostermkeis eine so hohe Leistung
aufweist, schließen Sie das Gerät direkt an die
Balterie an.

Teileliste (11)

Seien Sie beim Umgang mit der Halterung ① vorsichtig, damit Sie sich nicht die Hände verle



Anschlußbeispiel (2)

Himweise (2-A)

- Schließen Sie unbedingt zuerst das Massekobel an.
bevor Sie der Verstärker anschließen.

- Wenn Sie einen gesondert erhältlichen.
Fordwarstärer anschließen und den integrierten
Verstärker nicht benutzen, wird der Signalton
dasktivert.

Tip (2.8-6)
Zum Anschlie

Anschlußdiagramm (3)

An AMP REMOTE IN des gesondert erhältlichen Endverstärkers
 Dieser Anschluß ist ausschließlich für Verstärker gedacht. Schließen Sie nichts anderes daran an, Andernfalls kann das Gerät beschädigt werden.

Attenzione

Onesio apparecchio è stato progettato per l'uso solo a 12 V CC con massa negativa.

 Eivitare che i cavi rimagno bioccati da una vite o incustrati nelle parti mobili (ad esempio nelle guide scorrevoli dei sedili).

 Frima di effettuare i collegamenti, spegnere il motore dell'automobile onde evitare di causare cortocircuiti.

corlocircuiti.

Collegare il cavo di collegamento
dell'alimentazione (il all'apparecchio e ai
diffusori prima di collegarlo al connettore di

alimentazione ausiliare.

Portare tutti (cavi di massa a un punto di massa comune.

Per sicurezza, assicurarsi di isolare qualsiasi cavo non collegato mediante apposito nastro.

non congato mentana appessio naesto.

Nota sul caro da ilimentazione (galio)

- Se questo apparecchio viene collegato con altri
componenti sitero, la potenza nominale dei
circutii dell' automobile deve essere superiore a
quella prodotta dalla somma dei rusibili di
ciascan componente.

- dell'automobile non è sufficinate, collegare
l'apparecchio direttamente alla batteria.

Elenco dei componenti (11)

I numeri nella lista corrispondono a quelli riportati nelle istruzioni.

Esempi di collegamento (2)

Suggerimento (2-8-6)
Per collegare due o più cambia CD/MD, si deve utilizzare il selettore di fonte XA-C30 (opzionale).

Schema di collegamento (3)

A AMP REMOTE IN di un amplificatora di potenza opzionale Questo collegamiento è riservato esclusivamente agli amplificatori. Non collegare un tipo di sistema diverso onde evitare di causare daran all'apparacchio.

Al cavo interfaccia di un telefono per auto

Avvertenza
Quando si collega l'apparecchio con il cavo di
alimentazione in dotazione

, i potrebbe
danneggiare l'entenna elettrica se questa non ha la
scatola di rele.

isatola di rele.

Men ui sui di controllo

si caro di controllo all'anterma elettrica (biu)

ficano di controllo all'anterma elettrica (biu)
ficanosa corrente centinua +12 V CC quardo i di
accende il sintonizzatore o quando si attive la
funzione Af l'requenza alternaria più a l'a
(notiziano sul traffico).
Se l'automobile el odutato di anterna PAMMILW
uscopposto nel vetro postenovalue elettrica ni dano
più di controllo dell'anterna elettrica o il accon più di controllo dell'anterna elettrica ni dano
termina dei alimentazione delle presumplificatore
dell'anterna estenta. Per ulterno informazioni,
consultare il proprio formitore.
Non a possibile usare un'anterna elettrica senza
scatola a rele con questo apparecchio.

Collegemento per la conservazione della memoria Quando il cavo di ingresso alimentazione giallo è collegato, viene sempre fornita alimentazione al circuito di memoria anche quando la chiavetta a accensione è spenta.

circuito di mélinicia anche quando la chawetta a accervatione à prime del diffusori Prima di collegemento del diffusori Prima di collegemento del diffusori spegiere Prima di collegemento di mignedienza compresa tra 4 e 8 divisione del collegemento di mignedienza compresa tra 4 e 8 divisione controlo di mignedienza compresa tra 4 e 8 divisione del collegemento di diffusori potrolo del diffusori di diffusori del diffusori di diffusori del diffusori del diffusori del diffusori del diffusori del diffusori del diffusori di diffusori del diffusori dell'apprenechio perche si portibebero dannegipira di diffusori attivi. Assicurarsi di collegare diffusori dell'apprenechio di migricomanento non utilizzare i cavi del diffusori incorporali installati enell'automobile si i lamminade dell'apprenechio condivide un cavo comune registro (-) per i condicio dell'apparenechio condivide un cavo comune registro (-) per i Non collegare faltori coi cavi del diffusori dell'apparenechio

Let op!

Let op:

Dit apparant is ontworpen voor gebruik op gelijstroom van een 12 Volts aub-accu, negatisf geaard.

Zorg ervoor dat de draden niet onder een schroef of tussen bewegende onderdelen (bv. zetelzait) teechtkomen.

Alvorens aanslullingen te verrichten moet u het contact afzeiten om kortsluiting is vernijden.

Alvorens aanslullingen te verrichten moet u het contact afzeiten om kortsluiting is vernijden.

Sudoprekers voorsteer uit bei roeid en de hulpvoedingsaansluiting aansluit.

Sluit alle aarddraden op sen gemeenschappelijk aardpunt aan.

Voorzie niet aangelsbein draden om veilijbeidsredenen altijd van isolaitelage.

veiligheidisedenen altijd van isolatietage.

Opmarklingen bij de voedingskabel (geel)

Vanneer u dit toestel aansluit somen met andere
componenten, moet het vernogen van de aangeslohen autostrom/kring goder zijn dan de som van de zekeringen van elke component afzonderlijk

Vanneer het Vernogen ontorerlikend si, moet u
het toestel rechtstreeks aansluilen op de batterij.

Onderdelenlijst (11)

De nummers in de afbeelding verwijzen naar die in de montage-aanwijzingen.

Voorziehtig Houd de beugel ① voorzichtig vast zodat u uw vinzers niet verwondt.



Voorbeeldaansluitingen (2)

Opmerkingen (B-A)

- Sluit eerst de massakabel aan alvorens de versterken sant te sluiten

- Als u een los verkrijfbare vermogensversterken aansluit en de ingebauwde versterken rieit gebruikt, is de pieptoon uitgeschâkeld.

Tip (Q. 8- 0)
Om twee of meer CD/MD-wisselaars aen te sluiten, hebt u de geluidsbronkiezer XA-C30 (optioneel) nodig.

Aansluitschema (3)

 Naar AMP REMOTE IN van een los verkrijgbare vermogensversterker
Deze aarsliuiting is allean bedoeld voor
versterkers. Door een ander systeem aan te sluiten
kan het toestel worden beschodigd.

3 Naar het Interface-snoer van een autotelefoon

Opgelet Indien u een elektrische antenne heeft zonder relaiskast, kan het aansluiten van deze eenheid me het bijgeleverde netsnoer

de antenne beschadigen.

techniligen.

Opmerking betrefferde de senkultinoeren.
De voodingstede (blauw) van de elektrisch bediende unterne lewet 12 (belijktroom wanneer u de tutter aarschakelt of de functie Af (Alternatus Fraquency) of TA (Traffic Ammuncement) activerst unt en en fAMMW. It Wanten in de achterutivoorniit moet u de anternavoodingskabel (blauw) of de hulproedingskabel (mod) aantuitien op de voodingsingsingsing van de bestaande unterne seutsteken. Roadpleeg uit velaele voor unterne seutsteken. Roadpleeg uit velaele voor automatische anterne soutsterne falstungs de seutstelle voor uit apparaat is het niet mogelijk een automatische anterne soutsterne seutstelle seutstelle gebruiken.

Instantiousen van het geheugen Zolang de gele stroomdraad is aangesloten, blijft de stroomvoorziening van het geheugen intact, ook wanneer het contact van de auto wordt uitgeschakeld.

Opmerkingen betreffende hat aenshillen van de hubspreaken appaant is uitgesteld, divorren de Liedzpreiken aan te slutien Liedzpreiken sen te slutien Gebruik kuldpreiken met een impedantie van 4 tot 8 Ohm en let op dat die het vermogen van de verstelken kunnen werverken Als dit wordt verstelken kunnen werverken Als dit wordt verstelken die kunnen werverken Als dit wordt post-hubspreiken werverken Als dit wordt verbreih dit jame gread de aenshillingen van de luidspreikens met het chassis van de auto en sluti de aansluitingen van de rechter en inter luidspreiken aansluitingen van de rechter en inter luidspreiken "Verbreih de massakelel van dit toestel niet met de negelaiene () aansluiting van de kuldspreiker. Probeen nocht de luidspreiken pærellel aan te slutien.

position d'areit.

Remarques sur le riccorrément des haut, parleurs

- Avant de raccorde les haut-parleurs, mattez

- Apart de raccorde les haut-parleurs, mattez

- Rapareit hors tension.

- Ultimar des haut-parleurs ayent une impedance de

- 1 8 o'hnis seus une capacité de mampigulation

adéquate pour éviter de les endommaignes

- Al 8 o'hnis seus en capacité de mampigulation

adéquate pour éviter de les endommaignes

parleurs su chissió de la vortiure en en recorrées

parleurs su chissió de la vortiure en en recorrées

parleurs su chissió de la vortiure en en recorrèes

- Nes raccordes pas le câbisi de masse de cet appareil

- Als borres réglation et (-) de l'encevaine.

- Nes raccordes passione et l'encevaine.

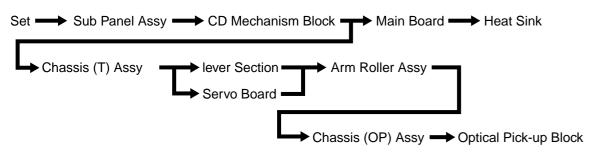
- Pour éviter tout d'apricondommaines, rivollines pas

- Pour éviter d'apricondommaines, rivollines pas

- Pour

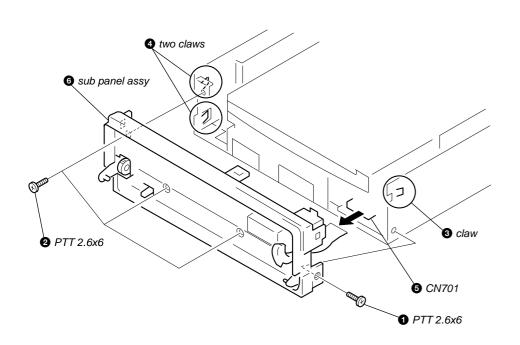
SECTION 2 DISASSEMBLY

Note: This equipment can be removed using the following procedure.

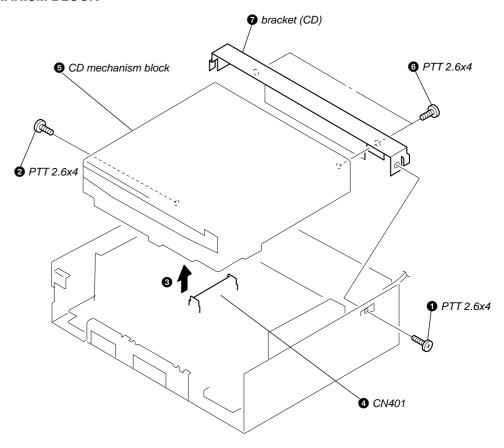


Note : Follow the disassembly procedure in the numerical order given.

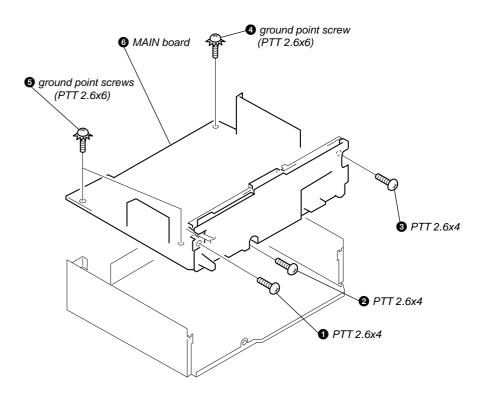
2-1. SUB PANEL ASSY



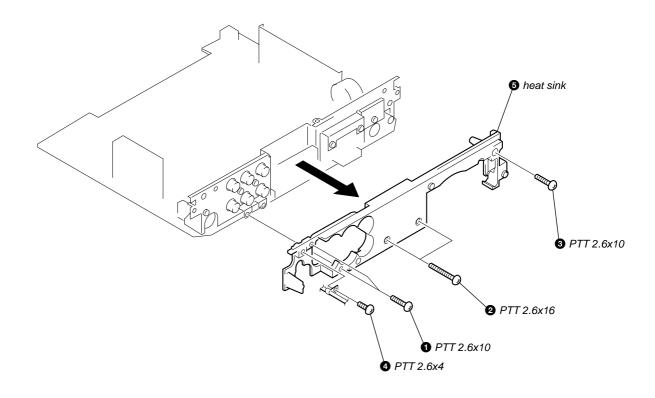
2-2. CD MECHANISM BLOCK



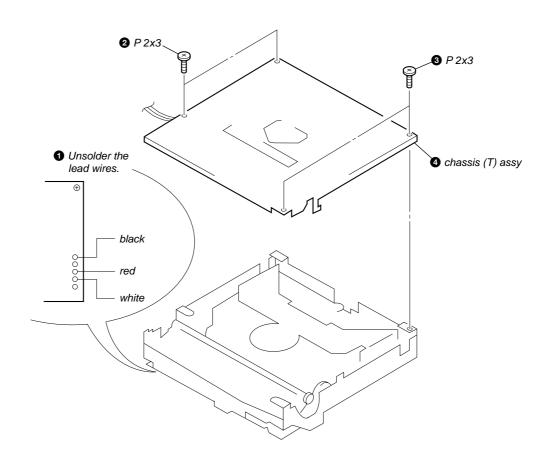
2-3. MAIN BOARD



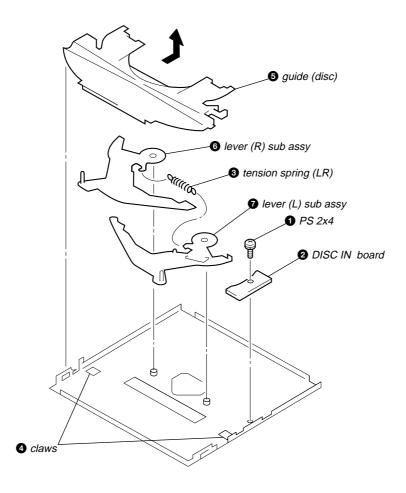
2-4. HEAT SINK



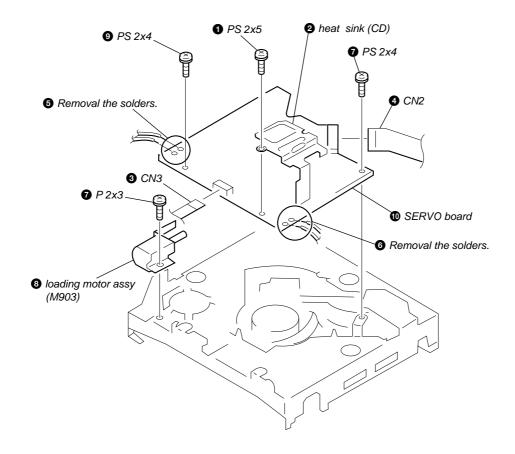
2-5. CHASSIS (T) ASSY



2-6. LEVER SECTION

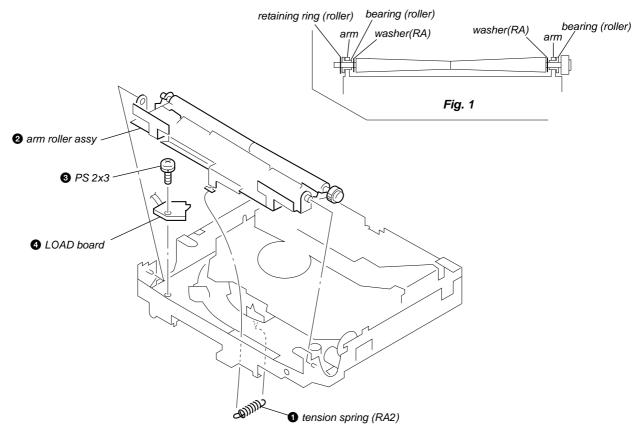


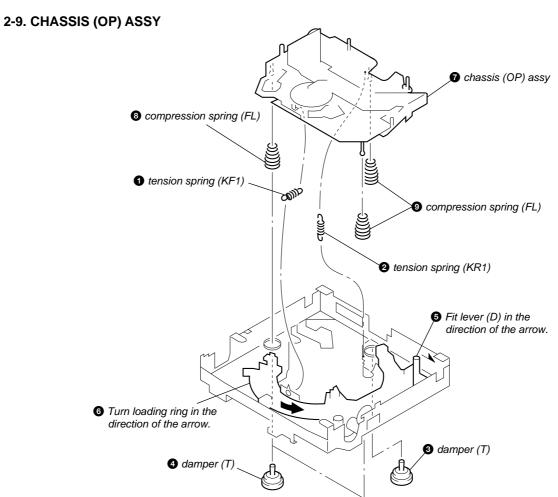
2-7. SERVO BOARD



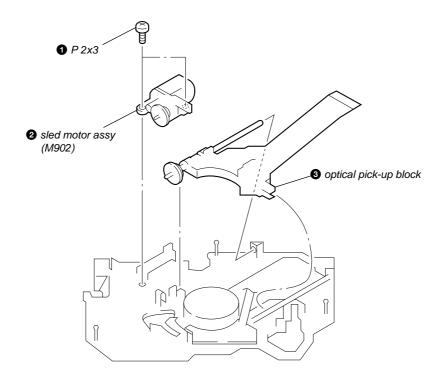
2-8. ARM ROLLER ASSY

• When installing, take note of the positions arm (roller) and washers. (Fig. 1)





2-10. OPTICAL PICK-UP BLOCK



SECTION 3 DIAGRAMS

3-1. IC PIN DESCRIPTIONS

• IC501 CXD2598Q (DIGITAL SERVO, DIGITAL SIGNAL PROCESSOR) (SERVO BOARD)

| Pin No.Pin NameI/OPin Description1DVDD— Digital power supply pin2DVSS— Digital ground3SOUTO Servo brock serial data output (Not used.)4SOCKO Servo brock serial data read clock output (Not used.)5XOLTO Servo brock serial data latch output (Not used.)6SQSOO Sub Q 80 bit, PCM peak and level data output. CD TEXT data outp7SQCKI Clock input from SQSO read output.8SCSYI Fixed at "L".9SBSOO Serial output of sub-P to W. (Not used.)10EXCKI Clock input from SBSO read output. (Fixed at "L")11XRSTI System reset ("L": Reset)12STSMI System mute input (Fixed at "L")13DATAI Serial data input from CPU.14XLATI Latch input from CPU. Latch serial data at the falling edge.15CLOKI Serial data transfer clock input from CPU. | |
|---|------|
| DVSS — Digital ground SOUT O Servo brock serial data output (Not used.) 4 SOCK O Servo brock serial data read clock output (Not used.) 5 XOLT O Servo brock serial data latch output (Not used.) 6 SQSO O Sub Q 80 bit, PCM peak and level data output. CD TEXT data output. 7 SQCK I Clock input from SQSO read output. 8 SCSY I Fixed at "L". 9 SBSO O Serial output of sub-P to W. (Not used.) 10 EXCK I Clock input from SBSO read output. (Fixed at "L") 11 XRST I System reset ("L": Reset) 12 STSM I System mute input (Fixed at "L") 13 DATA I Serial data input from CPU. 14 XLAT I Latch input from CPU. Latch serial data at the falling edge. | |
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| 13 DATA I Serial data input from CPU. 14 XLAT I Latch input from CPU. Latch serial data at the falling edge. | |
| 14 XLAT I Latch input from CPU. Latch serial data at the falling edge. | |
| | |
| LILIK L. Nomal data transfer algebra transfer transfer the L. L. Nomal data transfer algebra transfer | |
| 15 CLOK I Serial data transfer clock input from CPU. 16 SENS O SENS output for CPU. | |
| 17 SCLK I Clock input from SENS serial data read. | |
| | |
| 18 ATSK I/O Input/output for anti-shock. 19 WFCK O WFCK (Write Flame Clock) output (Not used.) | |
| | |
| 20 XUGF O XUGF output (Not used.) | |
| 21 XPCK O XPCK output (Not used.) | |
| 22 GFS O GFS output | |
| 23 C2PO O C2PO output (Not used.) | |
| 24 SCOR O "H" output at either detection, sub code sync S0 or S1. | |
| 25 C4M O 4.2336 MHz output (Not used.) | |
| 26 WDCK O Word clock input f=2Fs (Not used.) | |
| 27 COUT I/O Track number count signal input/output (Not used.) | |
| 28 MIRR I/O Mirror signal input/output (Not used.) | |
| 29 DVSS — Digital ground | |
| 30 DVDD — Digital power supply pin | |
| 31 DFCT I/O Diffect signal input/output (Not used.) | |
| 32 FOK I/O Focus OK signal output | |
| 33 PWM1 I External control input of spindle motor. | |
| 34 LOCK I/O Lock signal input/output | |
| 35 MDP O Servo control output of spindle motor. | |
| 36 SSTP I Disc most inner track detection signal input | |
| 37 FSTIO I/O 2/3 frequency division output of pins ® and ®. (Not used.) | |
| 38 SFDR O Sled drive output | |
| 39 SRDR O Sled drive output | |
| 40 TFDR O Tracking drive output | |
| 41 TRDR O Tracking drive output | |
| 42 FFDR O Focus drive output | |
| 43 FRDR O Focus drive output | |
| 44 DVDD — Digital power supply pin | |
| 45 DVSS — Digital ground | |
| 46 TEST I Test pin (Fixed at "L") | |
| 47 TES1 I Test pin (Fixed at "L") | |
| 48 XTSL I X'tal select input ("L": 16.9344 MHz, "H": 33.8688 MHz) | |
| 49 VC I Center voltage input | |
| 50 FE I Focus error signal input | |
| 51 SE I Sled error signal input | |

| Pin No. | Pin Name | I/O | Pin Description |
|---------|----------|-----|--|
| 52 | TE | I | Tracking error signal input |
| 53 | CE | I | Center servo analog input |
| 54 | RFDC | I | RF signal input |
| 55 | ADIO | О | Test pin (Not used.) |
| 56 | AVSSO | _ | Analog ground |
| 57 | IGEN | I | Constant current input from OP amplifier. |
| 58 | AVDDO | _ | Analog ground |
| 59 | ASYO | О | EFM full-swing output ("L": VSS, "H": VDD) |
| 60 | ASYI | I | Asymmetry comparate voltage input |
| 61 | RFAC | I | EFM signal input |
| 62 | AVSS3 | _ | Analog ground |
| 63 | CLTV | I | VCO control voltage input from master. |
| 64 | FILO | О | Filter output for master PLL (slave=digital PLL) |
| 65 | FILI | I | Filter input from master PLL. |
| 66 | PCO | О | Charge pump output for master PLL. |
| 67 | AVDD3 | _ | Analog power supply pin |
| 68 | BIAS | I | Asymmetry circuit constant current input |
| 69 | VCTL | I | VCO2 control input from wideband EFM PLL. (Not used.) |
| 70 | V16M | О | VCO2 oscillator output for wideband EFM PLL. (Not used.) |
| 71 | VPCO | О | Charge pump output for wideband EFM PLL. (Not used.) |
| 72 | DVSS | | Digital ground |
| 73 | MD2 | I | Digital out ON/OFF control input ("L": OFF, "H": ON) |
| 74 | DOUT | О | Digital out output |
| 75 | ASYE | I | Asymmetry circuit ON/OFF input ("L": OFF, "H": ON) |
| 76 | DVDD | _ | Digital power supply pin |
| 77 | LRCK | О | D/A interface LR clock output (f=Fs) |
| 78 | LRCKI | I | D/A interface LR clock input |
| 79 | PCMD | О | D/A interface serial data output (2's COMP, MSB fast) |
| 80 | PCMDI | I | D/A interface serial data input (2's COMP, MSB fast) |
| 81 | BCK | О | D/A interface bit clock output |
| 82 | BCKI | I | D/A interface bit clock input |
| 83 | EMPH | О | Emphasis ON/OFF signal output |
| 84 | EMPHI | I | Emphasis ON/OFF signal input ("H": ON, "L": OFF) |
| 85 | XVDD | | Power supply for master clock. |
| 86 | XTAI | I | X'tal oscillator input from master clock (16.9344 MHz). |
| 87 | XTAO | О | X'tal oscillator output for master clock (16.9344 MHz). |
| 88 | XVSS | | Ground pin for master clock. |
| 89 | AVDD1 | | Analog power supply pin |
| 90 | AOUT1 | О | Lch analog output |
| 91 | AIN1 | I | Lch OPAMP input |
| 92 | LOUT1 | О | Lch LINE output |
| 93 | AVSS1 | | Analog ground |
| 94 | AVSS2 | | Analog ground |
| 95 | LOUT2 | О | Rch LINE output |
| 96 | AIN2 | I | Rch OPAMP input |
| 97 | AOUT2 | О | Rch analog output |
| 98 | AVDD2 | | Analog power supply pin |
| 99 | RMUT | О | Rch "0" detect Flug (Not used.) |
| 100 | LMUT | О | Lch "0" detect Flug (Not used.) |

• IC5 CXP84640-072Q (CD SYSTEM CONTROL) (SERVO BOARD)

| Pin No. | Pin Name | I/O | Pin Description |
|---------|-----------------------|-----|---|
| 1 | ITRPT | _ | Not used in this set. |
| 2, 3 | _ | _ | Not used in this set. |
| 4, 5 | NCO | | Not used in this set. |
| 6 | OPEN | I | Front panel open detection input |
| 7 | CLOSE | 0 | Front panel close control output |
| 8 | LINKOFF | I | Bus interface link input |
| 9 | NCO | _ | Not used in this set. |
| 10 | D SW | I | Down switch input (SW4) |
| 11 | SSTP | | Limit switch input (SW3) |
| 12, 13 | | I | Not used in this set. |
| | NCO | _ | |
| 14, 15 | - EMBILO | _ | Not used in this set. |
| 16 | EMPH O | 0 | De-emphasis ON/OFF control output |
| 17 | CDMON | 0 | CD mechanism deck power control output |
| 18 | CD ON | 0 | CD power control output |
| 19 | A MUT | 0 | System attenuate control output |
| 20 | LD ON | О | Laser power ON/OFF control output |
| 21 | CD RST | О | CD system reset output |
| 22 | HOLD | 0 | Hold switch output |
| 23 | AGC CONT | 0 | AGC control output |
| 24 | _ | _ | Not used in this set. |
| 25 | PH3 | I | Not used in this set. |
| 26 | TSTIN0 | I | Not used in this set. |
| 27 | TSTIN1 | I | Not used in this set. |
| 28 | TST.CLV | I | Not used in this set. |
| 29 | NCO | _ | Not used in this set. |
| 30 | RESET | I | System reset input ("L"=Reset) |
| 31 | X IN | I | X'tal oscillator input from system clock. (10 MHz) |
| 32 | X OUT | О | X'tal oscillator output for system clock. (10 MHz) |
| 33 | GND | _ | Analog ground |
| 34 | XT OUT | 0 | Not used in this set. |
| 35 | XT IN | I | Not used in this set. |
| 36 | AVSS | _ | A/D converter ground |
| 37 | AVREF | I | A/D converter reference voltage input |
| 38 | TEP L | I | Not used in this set. |
| 39 | TEP H | I | Not used in this set. |
| 40 | SLED- | I | Sled drive input |
| 41 | PH2 | I | Not used in this set. |
| 42 | SEK/SMET | I | Fixed at "H" in this set. |
| 43 | GFS/MNT2 SEL | I | Fixed at "H" in this set. |
| 43 | SC-JIG ON/OFF | I | Fixed at "H" in this set. |
| 45 | SC-JIG ON/OFF SCLK | 0 | CD-TEXT data read clock output |
| 45 | LOCK | I/O | Lock signal input/output |
| | LUCK | | Not used in this set. |
| 47 | CCV2 | _ | |
| 48 | SCK2 | 0 | Sub Q read clock output |
| 49 | SI2 | I | Sub Q 80 bit, PCM peak and level data 16 bit input. |
| 50 | | | Not used in this set. |
| 51 | BUS CLK | I/O | Bus system serial clock input/output |
| 52 | BUS SI | I | Bus system serial interface input |
| 53 | BUS SO | 0 | Bus system serial interface output |
| 54 | F OK | I | Focus OK signal input |
| 55 | GFS | I | GFS signal detection input |
| 56 | TEST MODE | I | Fixed at "H" in this set. |

| Pin No. | Pin Name | I/O | Pin Description |
|---------|----------|-----|---|
| 57 | SENS | I | SENS signal input |
| 58 | _ | _ | Not used in this set. |
| 59 | _ | _ | Not used in this set. |
| 60 | BU.IN | I | Back-up power detection input |
| 61 | BUSON | I | Bus on control input |
| 62 | IN SW | I | Disc in switch input (SW1) |
| 63 | SELF SW | I | Self switch input (SW2) |
| 64 | SCOR | 0 | Sub-code sync output |
| 65 | CD-CKO | 0 | CD signal process serial clock input |
| 66 | LM LOD | 0 | Loading motor control output |
| 67 | CD DATA | 0 | CD signal process serial data output |
| 68 | CD-XLAT | 0 | CD signal process serial data latch output |
| 69 | LM-EJ | 0 | Loading motor control output |
| 70 | DRV-OE | 0 | Focus/tracking coil/sled motor control output |
| 71 | MD2 | 0 | Digital out ON/OFF control output ("L": OFF, "H": ON) |
| 72 | VDD | _ | Power supply pin |
| 73 | NIH | I | Fixed at "H" in this set. |
| 74 | V/Z | I | Fixed at "H" in this set. |
| 75 | PH1 | I | Not used in this set. |
| 76 | <u> </u> | _ | Not used in this set. |
| 77 | DOUT-SEL | I | Fixed at "H" in this set. |
| 78 – 80 | _ | _ | Not used in this set. |

• IC501 MB90574BPMT-G-323-BND (MAIN SYSTEM CONTROL) (CDX-CA850X/CA860X) (MAIN BOARD) • IC501 MB90574BPMT-G-324-BND (MAIN SYSTEM CONTROL) (CDX-CA850) (MAIN BOARD)

| Pin No. | Pin Name | I/O | Pin Description | |
|---------|----------------|-----|---|--|
| 1 – 4 | NCO | 0 | Not used. (Open) | |
| 5 | ATT | 0 | System mute control signal output | |
| 6, 7 | NCO | 0 | Not used. (Open) | |
| 8 | VCC | _ | Power supply pin (+5 V) | |
| 9 | AMP ATT | О | Amp mute signal output | |
| 10 | E2PSIO | I/O | EEPROM data signal input/output | |
| 11 | E2PCKO | 0 | EEPROM clock signal output | |
| 12 | DOOR SW/FLS SI | I | Door switch signal input (L: close) Flash write data signal input | |
| 13 | FLS SO | 0 | Flash write data signal output | |
| 14 | BUS ON | 0 | BUS ON control signal output | |
| 15 | BEEP | 0 | Beep signal output | |
| 16 | NS MASK | 0 | Tuner mute signal output | |
| | | | <u> </u> | |
| 17 | UNISI | I | SONY BUS data signal input | |
| 18 | UNISO | 0 | SONY BUS data signal output | |
| 19 | UNICKO | 0 | SONY BUS clock signal output | |
| 20 | IFWIDTH | 0 | Not used. (Open) | |
| 21 | SWSHIFT | О | Not used. (Open) | |
| 22 | SYSRST | О | System reset signal output | |
| 23 | (NCO) | О | Not used. (Open) | |
| 24 | SIRCS | I | Remote control data signal input | |
| 25 – 29 | NCO | 0 | Not used. (open) | |
| 30 | AMPON | О | Amp on signal output (L: OFF/H: ON) | |
| 31 | VOLATT | О | Electronic volume mute signal output (L: Mute on) | |
| 32 | NCO | О | Not used. (Open) | |
| 33 | VSS | _ | Ground pin | |
| 34 | С | _ | Power stabilized capacitance pin Not used. (open) | |
| 35 – 37 | NCO | О | Not used. (Open) | |
| 38 | DVCC | _ | D/A converter VREF input | |
| 39 | DVSS | _ | D/A converter GND pin | |
| 40, 41 | (NCO) | О | Not used. (Open) | |
| 42 | AVCC | _ | Analog power supply pin (+5 V) | |
| 43 | AVRH | _ | A/D converter VREF+ input | |
| 44 | AVRL | _ | A/D converter VREF– input | |
| 45 | AVSS | _ | Analog ground pin | |
| 46 | KEYIN0 | I | Key signal input 0 | |
| 47 | KEYIN1 | I | Key signal input 1 | |
| 48 | RCIN0 | I | Rotary commander signal input | |
| 49 | NCO | 0 | Not used. (Open) | |
| 50 | QUALITY | 0 | Quality signal output | |
| 51 | FM AGC | 0 | Not used in this set. (Open) | |
| 52 | MPTH | 0 | MPTH signal output to RDS decoder | |
| 53 | VSM | I | S-meter signal input | |
| 54 | VCC | _ | Power supply pin (+5 V) | |
| 55, 56 | NCO | 0 | Not used. (Open) | |
| 57 | BOOT | 0 | Display microcomputer write control signal output | |
| 58 | DOORIND | 0 | Front panel indicator signal output | |
| 59 – 62 | NIL | I | Not used. (Connect to ground in this set.) | |
| 63 | VSS | 1 | Ground pin | |
| 64 | NIL | I | Not used. (Connect to ground in this set.) | |
| | | | <u> </u> | |
| 65 | FSW IN | 0 | Not used. (Open) | |
| 66 – 68 | NCO | О | Not used. (Open) | |

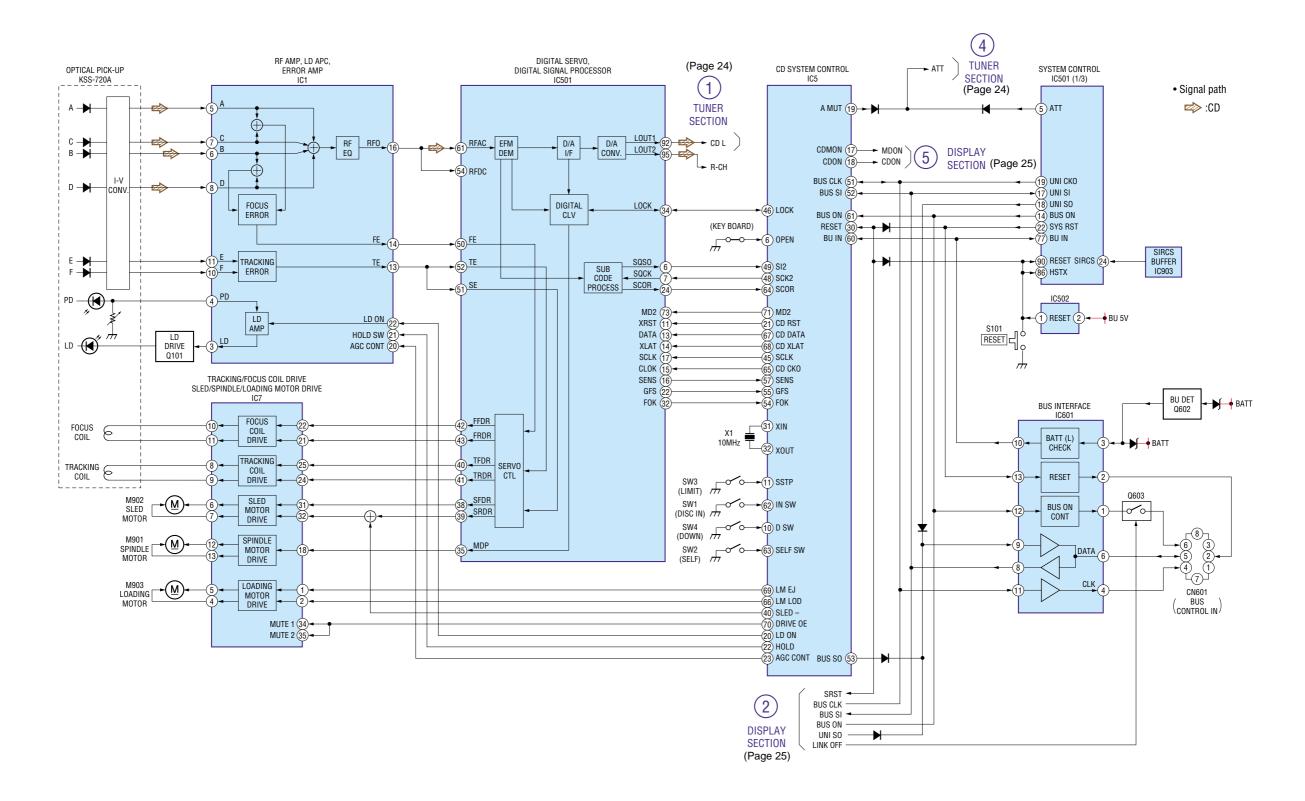
| Pin No. | Pin Name | I/O | Pin Description | |
|----------|------------------|-----|---|--|
| 69 | FLASH W | I | Flash write mode detection signal input | |
| 70 | I2CSIO | О | Tuner, electronic volume communication data signal output | |
| 71 | I2CCKO | О | Tuner, electronic volume communication clock signal output | |
| 72 | NCO | О | Not used. (Open) | |
| 73 | X1A | I | Low speed oscillation signal input (32.768 kHz) | |
| 74 | X0A | I | Low speed oscillation signal input (32.768 kHz) | |
| 75 | DAVN | О | DAVN signal output to RDS decoder | |
| 76 | DISCON IN | О | Not used. (Open) | |
| 77 | BUIN | I | Backup power supply detection signal input | |
| 78 | NCO | О | Not used. (Open) | |
| 79 | KEYACK | I | KEY ACK detection signal input | |
| 80 | ADON | О | A/D conversion power control signal output | |
| 81 | NOSESW | I | Front panel attachment detection signal input | |
| 82 | FLASH ON | О | Flash write jig power supply output | |
| 83 | PWON | О | System power supply control signal output | |
| 84 | NCO | О | Not used. (Open) | |
| 85 | RAMBU | I | RAM reset detection signal input | |
| 86 | HSTX | I | Hardware standby signal input | |
| 87 | MD2 | I | Operation mode input (Connect to ground.) | |
| 88, 89 | MD1, 0 | I | Operation mode input (Connect to VCC.) | |
| 90 | RESET | I | Microcomputer reset signal input | |
| 91 | VSS | _ | Ground pin | |
| 92 | X0 | I | High speed oscillation signal input (3.68 MHz) | |
| 93 | X1 | I | High speed oscillation signal input (3.68 MHz) | |
| 94 | VCC | _ | Power supply pin (+5 V) | |
| 95, 96 | REINO, 1 | I | Rotary encoder signal input | |
| 97 – 99 | NCO | О | Not used. (Open) | |
| 100 | 4V SEL X/O | I | 4 V/5.5 V preout menu with/without initial setting input | |
| 101 | COLORSEL X/O | I | Illumination select with/without initial setting input Not used. (Open) | |
| 102 | MODELSEL0 U/J | I | Destination setting input Not used. (Open) | |
| 103 | DOT/L-CUBE | I | DOT/L-CUBE judgment initial setting input | |
| 104 | CD/MD | I | CDX/MDX judgment initial setting input Not used. (Open) | |
| 105, 106 | NCO | О | Not used. (Open) | |
| 107 | RCIN1 (PULL UP) | I | Rotary commander signal input | |
| 108 | TESTIN (PULL UP) | I | Test mode setting detection input | |
| 109 | TELATT | I | TEL mute detection signal input | |
| 110 | ILLIN | I | Illumination line detection signal input | |
| 111, 112 | NCO | О | Not used. (Open) | |
| 113 | TUNON | О | Tuner on signal output | |
| 114, 115 | NCO | О | Not used. (Open) | |
| 116 | ЕМРН | О | Not used. (Open) | |
| 117 | ACCIN | I | ACC power supply detection signal input L: ACC ON | |
| 118 | NCO | О | Not used. (Open) | |
| 119 | VSS | | Ground pin | |
| 120 | NCO | О | Not used. (Open) | |

• IC701 HD6432355A35F (SUB SYSTEM CONTROL)

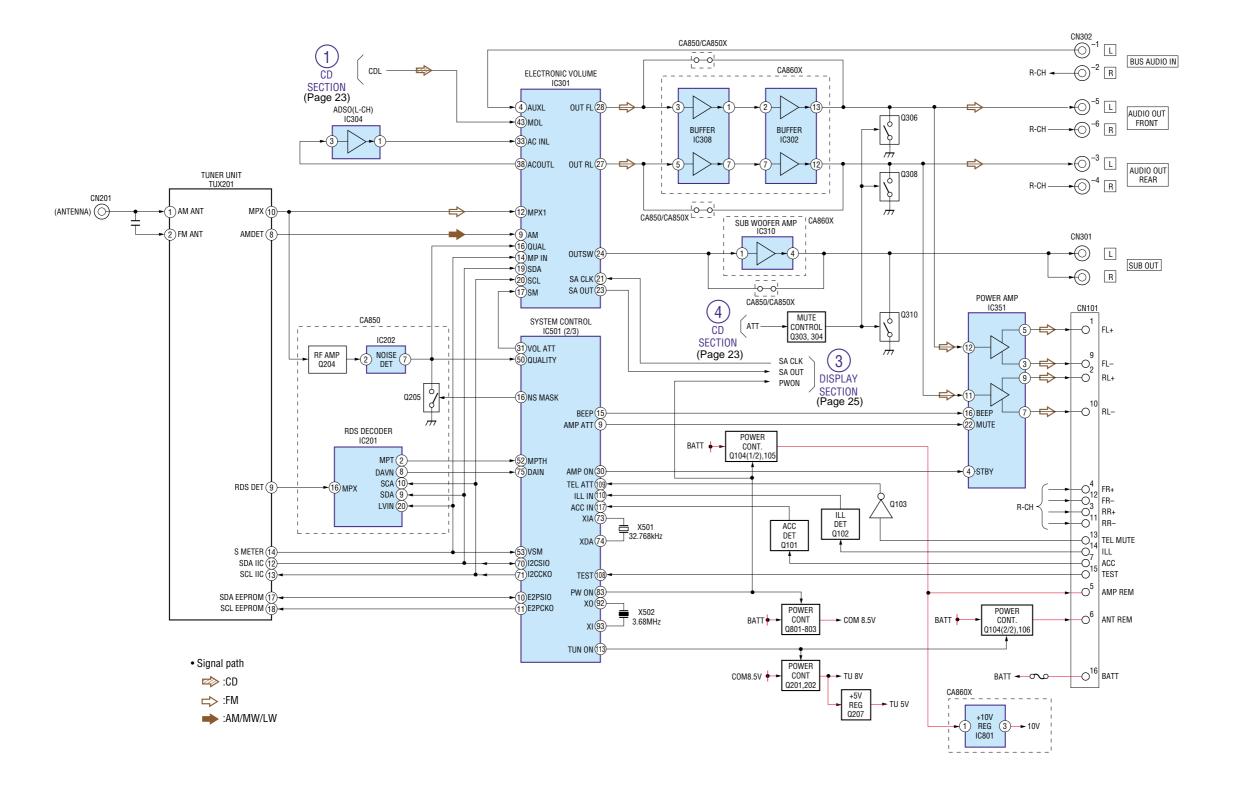
| Pin No. | Pin Name | I/O | Pin Description |
|---------|--------------|----------|--|
| 1 | PG3 | О | Spectrum analyzer clock output |
| 2 | PG4 | О | Not used (open) |
| 3 | VSS | <u> </u> | Ground pin |
| 4 | NC | <u> </u> | Not used (open) |
| 5 | VCC | _ | Power supply pin |
| 6-9 | PC0 – PC3 | 0 | Not used (open) |
| 10 | VSS | | Ground pin |
| 11 – 14 | PC4 – PC7 | 0 | Not used (open) |
| 15 – 18 | PB0 – PB3 | 0 | Not used (open) |
| 19 | VSS | | Ground pin |
| 20 – 23 | PB4 – PB7 | 0 | Not used (open) |
| 24 - 27 | PA0 – PA3 | 0 | Not used (open) |
| 28 | VSS | | Ground pin |
| 29 – 32 | PA4 – PA7 | 0 | Not used (open) |
| 33 | SP LAT(PWON) | I | Spectrum analyzer latch input |
| 34 | BU IN | I | Back-up power detection input |
| | | 1 | |
| 35 | VSS | | Ground pin |
| 36 | VSS | | Ground pin |
| 37 | P65 | 0 | Not used (open) |
| 38 | BUS ON | I | Bus on control signal |
| 39 | VCC | <u> </u> | Power supply pin |
| 40 – 43 | PE0 – PE3 | 0 | Not used (open) |
| 44 | VSS | _ | Ground pin |
| 45 – 48 | PE4 – PE7 | О | Not used (open) |
| 49 | PD0 | О | Not used (open) |
| 50 | LINK OFF | О | Bus interface link off control signal |
| 51 | PD2 | О | Not used (open) |
| 52 | ILL-ON | О | Illumination on/off switch signal output |
| 53 | VSS | _ | Ground pin |
| 54 – 56 | PD4 – PD6 | О | Not used (open) |
| 57 | BOOT | I | Flash write-in mode detection input |
| 58 | VCC | _ | Power supply pin |
| 59 | NC | _ | Not used (open) |
| 60 | TX/LCD DATA | О | Flash write-in data/LCD driver data output |
| 61 | SP SI | О | Not used (open) |
| 62 | RX | I | Flash write-in data input |
| 63 | L RST | О | Reset signal for SIRCS inveter |
| 64 | LCD SCK | О | LCD driver clock output |
| 65 | VSS | _ | Ground pin |
| 66 | LCD CE1 | О | LCD driver chip enable output |
| 67 | VSS | T — | Ground pin |
| 68 | VSS | T — | Ground pin |
| 69 | LCD INH1 | О | Not used (open) |
| 70 | LCD CE2 | 0 | Not used (open) |
| 71 | LCD INH2 | 0 | Not used (open) |
| 72 – 78 | P27 – P21 | О | Not used (open) |
| 79 | P20 | 0 | Flash write-in control signal |
| 80 | FWE L | I | Flash write-in enable input |
| 81 | RES | I | Reset signal |
| 82 | NMI | I | Non maskable interrupt signal |
| 83 | STBY | +- | Standby mode signal |
| 84 | VCC | + | Power supply pin |
| U-7 | , cc | | - outer earlier han |

| Pin No. | Pin Name | I/O | Pin Description |
|-----------|--------------|-----|-------------------------------------|
| 85 | XTAL | _ | Crystal oscillator (18.432 MHz) |
| 86 | EXTAL | _ | Crystal oscillator (18.432 MHz) |
| 87 | VSS | _ | Ground pin |
| 88 | PF7 | О | Not used (open) |
| 89 | VCC | _ | Power supply pin |
| 90 – 96 | PF6 – PF0 | О | Not used (open) |
| 97 | UNI SO | О | SONY Bus data output |
| 98 | UNI SI | I | SONY Bus data input |
| 99 | VSS | _ | Ground pin |
| 100 | VSS | _ | Ground pin |
| 101 | UNI SCK | I | SONY Bus clock input |
| 102 | P53 | О | Not used (open) |
| 103 | AVCC | _ | Power supply pin for A/D converter |
| 104 | VREF | _ | Reference voltage for A/D converter |
| 105 – 111 | P42 – P46 | О | Not used (Connecting to ground.) |
| 112 | P47(SA DATA) | I | Spectrum analyzer data input |
| 113 | AVSS | _ | Ground pin |
| 114 | VSS | _ | Ground pin |
| 115 – 122 | P17 – P10 | О | Not used (open) |
| 123 | MD0 | _ | Mode select |
| 124 | MD1 | _ | Mode select |
| 125 | MD2 | _ | Mode select |
| 126 – 128 | PG0 – PG2 | О | Not used (open) |

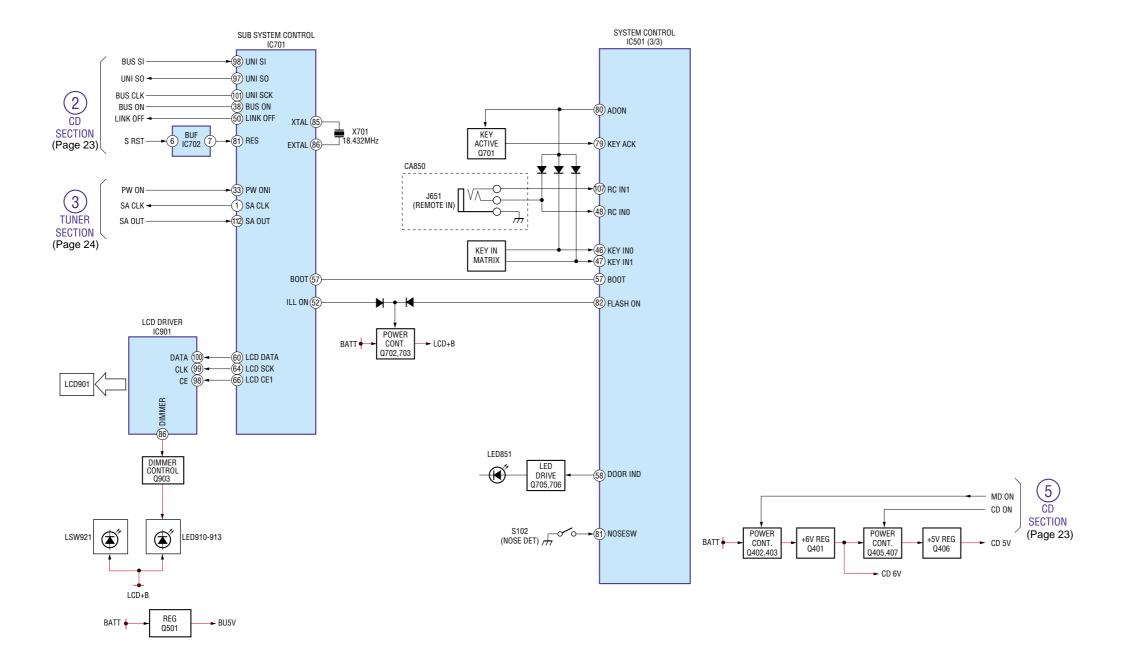
3-2. BLOCK DIAGRAM — CD SECTION —



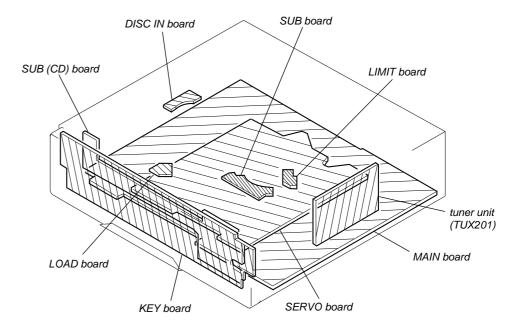
3-3. BLOCK DIAGRAM — TUNER SECTION —



3-4. BLOCK DIAGRAM — DISPLAY SECTION —



3-5. CIRCUIT BOARDS LOCATION



THIS NOTE IS COMMON FOR PRINTED WIRING **BOARDS AND SCHEMATIC DIAGRAMS.** (In addition to this, the necessary note is printed in each block.)

for schematic diagram:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $^{1}\!/_{4}\,W$ or less unless otherwise specified.

Note:

spécifié.

pour la sécurité.

Les composants identifiés par

une marque \triangle sont critiques

Ne les remplacer que par une

piéce portant le numéro

- % : indicates tolerance.
- : internal component.
- _____: panel designation.

Note:

The components identified by mark rianlge or dotted line with mark \triangle are criti-

cal for safety. Replace only with part number specified.

: B+ Line.

- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BATT cords.
- Voltages are taken with a VOM (Input impedance 10 $M\Omega$). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- · Signal path.
- ⇔ : FM
- : AM/MW/LW
- : CD

for printed wiring boards:

- • : parts extracted from the component side.
- — : parts extracted from the conductor side.
- parts mounted on the conductor side.
- O: Through hole.
- Pattern from the side which enables seeing. (The other layer's patterns are not indicated.)

Caution:

(Side B)

Pattern face side: Parts on the pattern face side seen from the

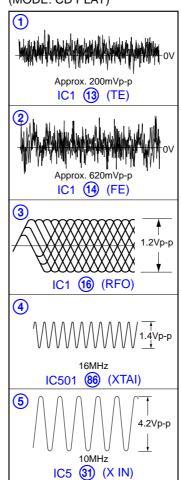
pattern face are indicated.

Parts face side: Parts on the parts face side seen from the (Side A) parts face are indicated.

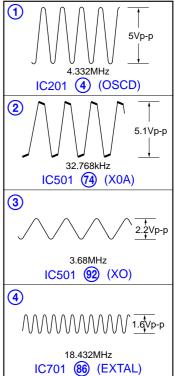
Waveforms

- Servo Board -

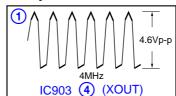
(MODE: CD PLAY)



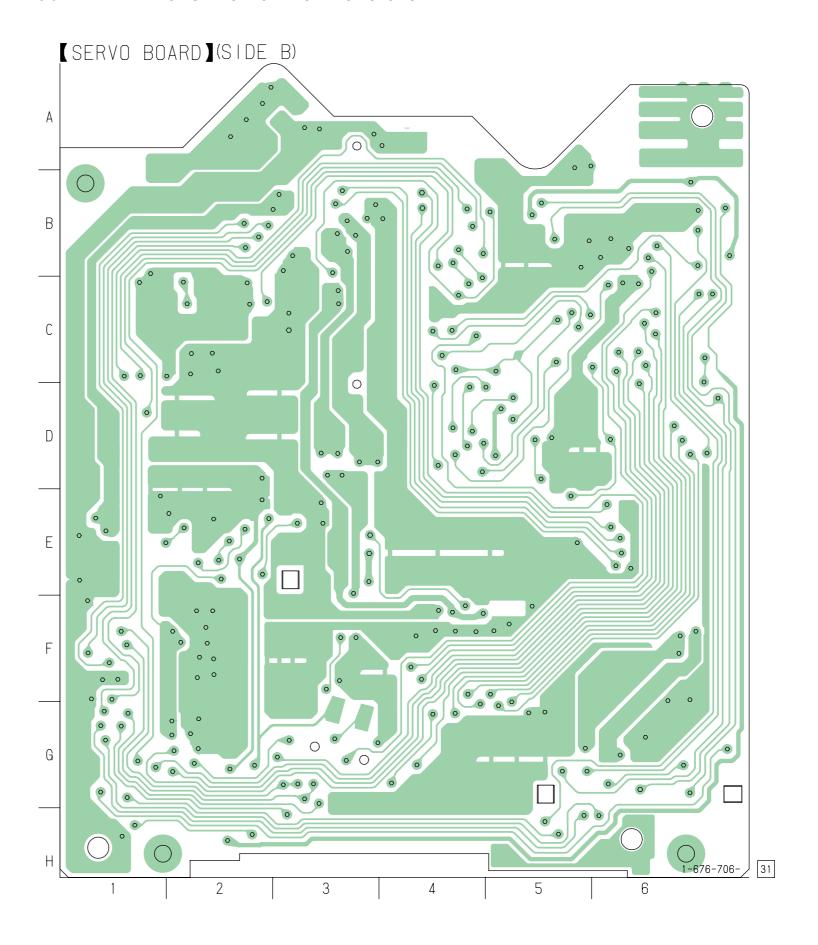
- Main Board -



- Key Board -



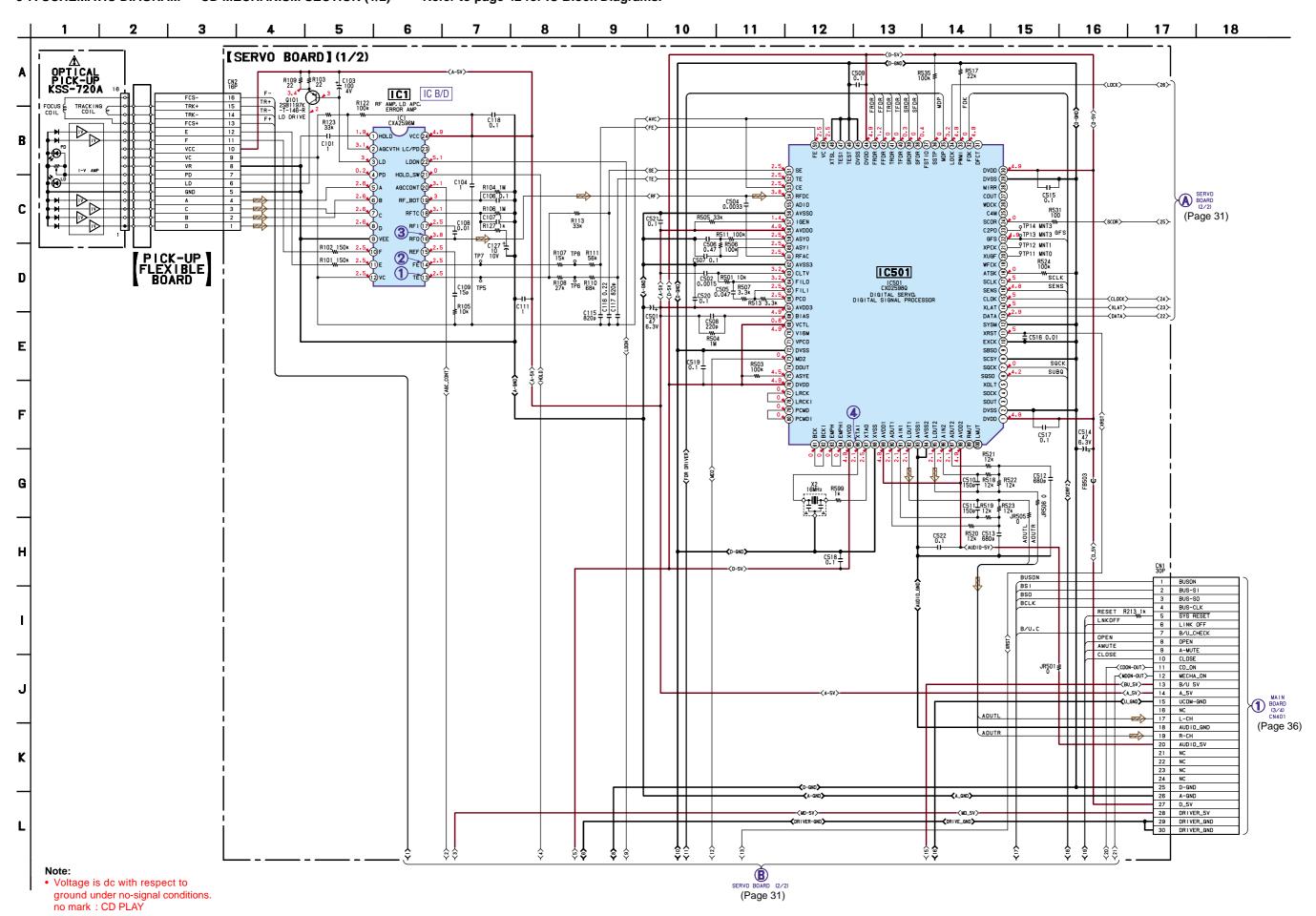
3-6. PRINTED WIRING BOARDS — CD MECHANISM SECTION —





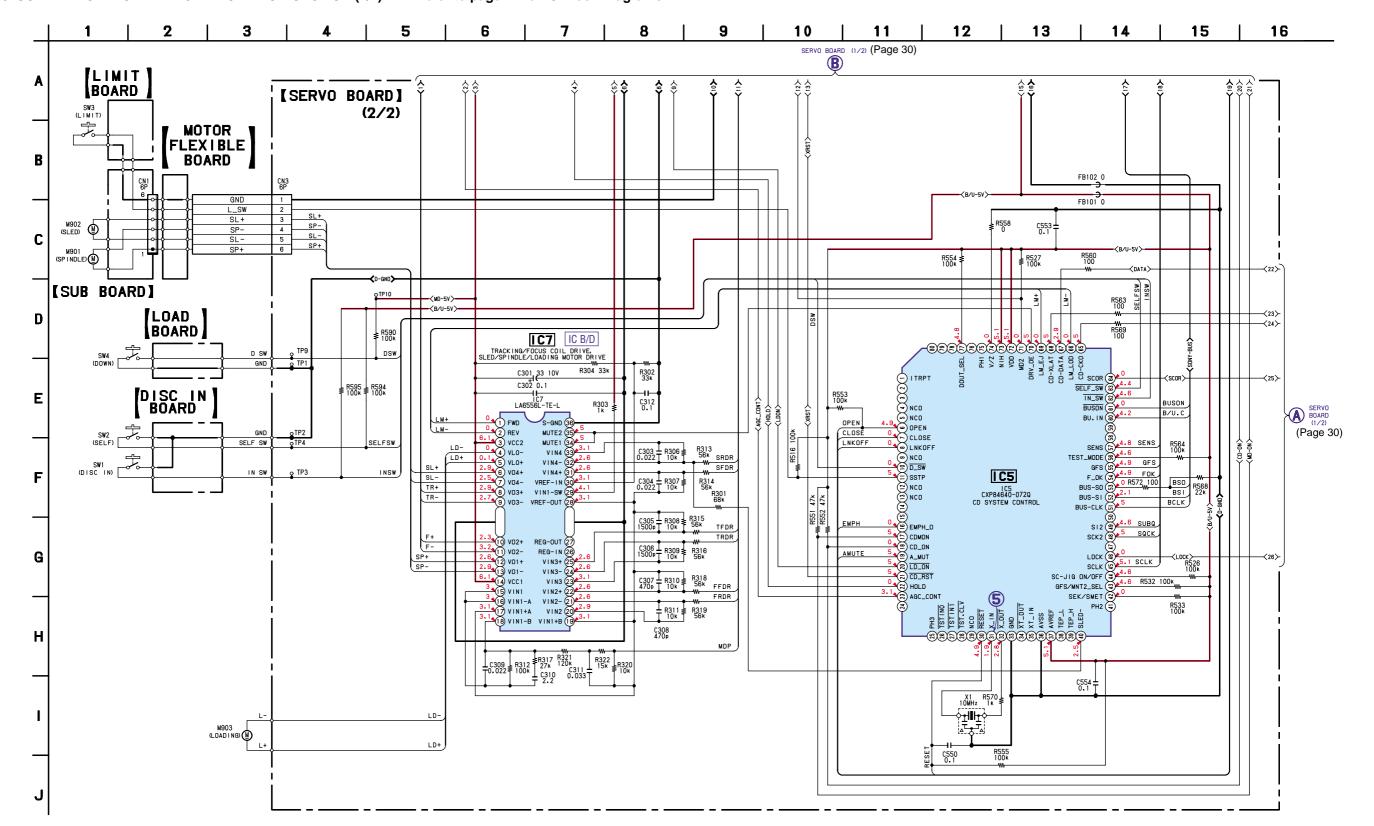
• Refer to page 27 for Waveforms.

3-7. SCHEMATIC DIAGRAM — CD MECHANISM SECTION (1/2) — • Refer to page 42 for IC Block Diagrams.



• Refer to page 27 for Waveforms.

3-8. SCHEMATIC DIAGRAM — CD MECHANISM SECTION (2/2) — • Refer to page 42 for IC Block Diagrams.



Note:

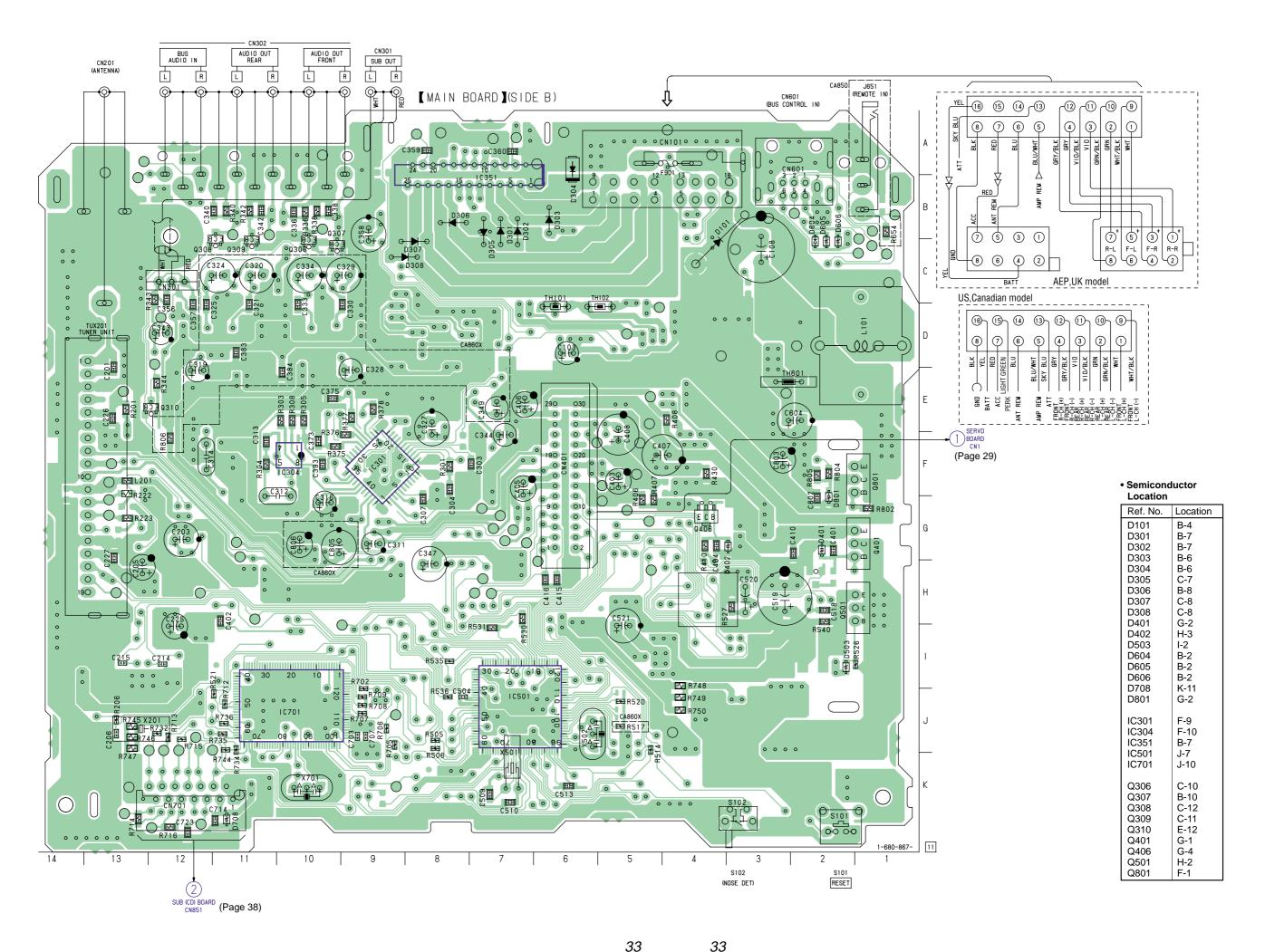
Voltage is dc with respect to ground under no-signal conditions. no mark: CD PLAY

3-9. PRINTED WIRING BOARDS — MAIN SECTION —



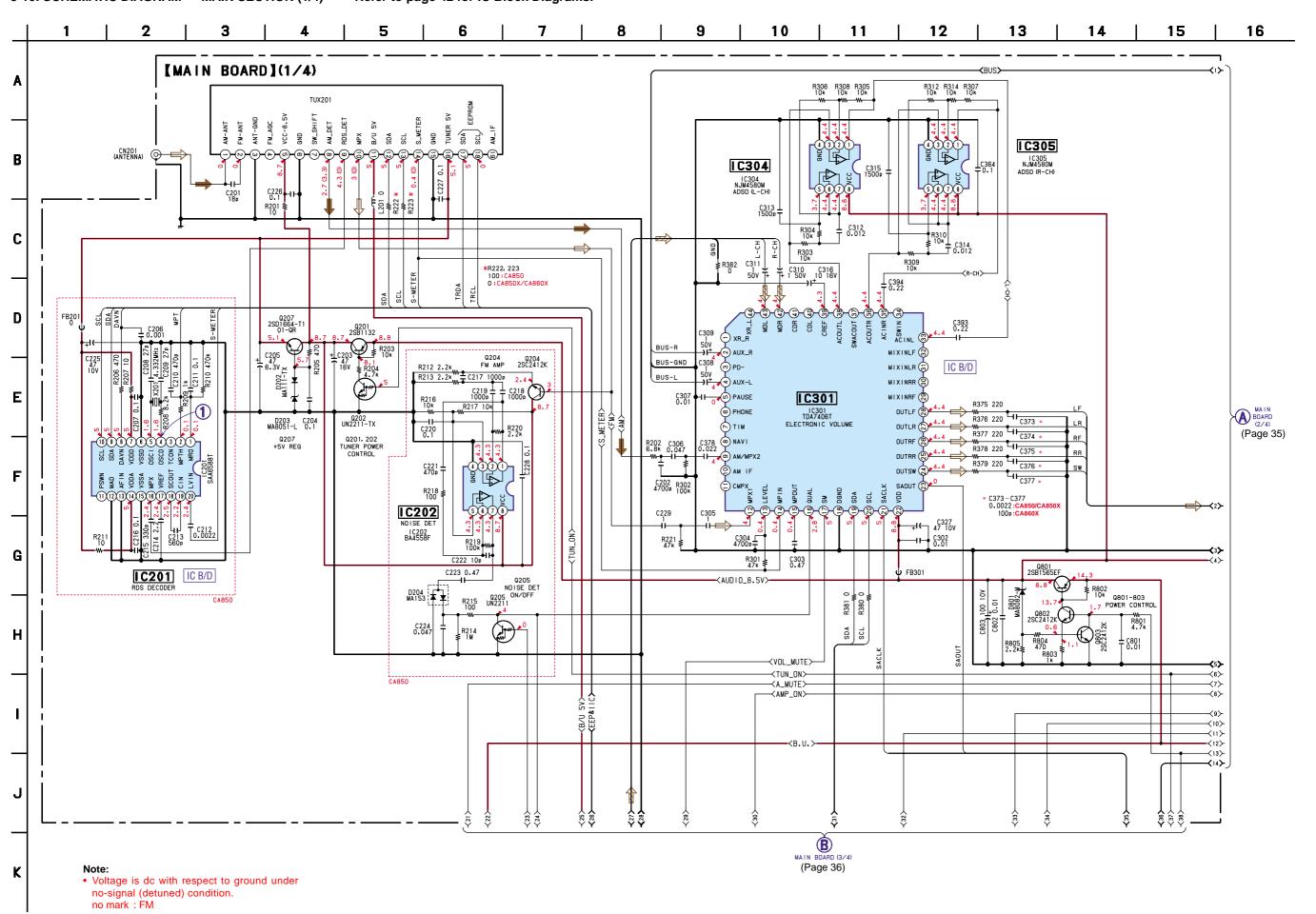
Semiconductor Location

| Ref. No. | Location | Ref. No. | Location |
|----------------|--------------|--------------|------------|
| D102 | C-5 | IC310 | D-12 |
| D105 | D-7 | IC502 | K-6 |
| D106 | C-7 | IC601 | D-3 |
| D107 | C-5 | IC702 | J-10 |
| D110 | E-5 | IC801 | H-10 |
| D202 | G-12 | | |
| D203 | G-12 | Q101 | C-4 |
| D204 | I-11 | Q102 | D-5 |
| D310 | G-8 | Q103 | B-5 |
| D311 | H-7 | Q104 | C-6 |
| D501 | K-5 | Q105 | C-6 |
| D504 | K-6 | Q106 | C-5 |
| D505 | K-7 | Q201 | G-11 |
| D601 | D-4 | Q202 | G-12 |
| D603 | C-2 | Q204 | G-11 |
| D607 | E-3 | Q205 | H-11 |
| D608 | D-3 | Q207 | H-12 |
| D609 | D-3 | Q303 | G-8 |
| D610 | D-4 | Q304 | G-7 |
| D653 | K-9 | Q402 | H-2 |
| D703 | K-13 | Q403 | H-2 |
| D707 | K-13 | Q405 | G-3 |
| D715 | J-4 | Q407 | G-4 |
| D802 | H-10 | Q602 | C-3 |
| 10004 | | Q603 | C-3 |
| IC201 | I-13 | Q701 | K-8 |
| IC202 IC302 | H-11 | Q702 | J-3 |
| | D-11 | Q703 | J-4 |
| IC303 | D-10 | Q705 | K-3 K-4 |
| IC305 | F-11 | Q706 | |
| IC308 IC309 | E-11 E-10 | Q802 Q803 | G-2 F-2 |
| 10309 | E-10 | Q003 | Γ-Ζ |

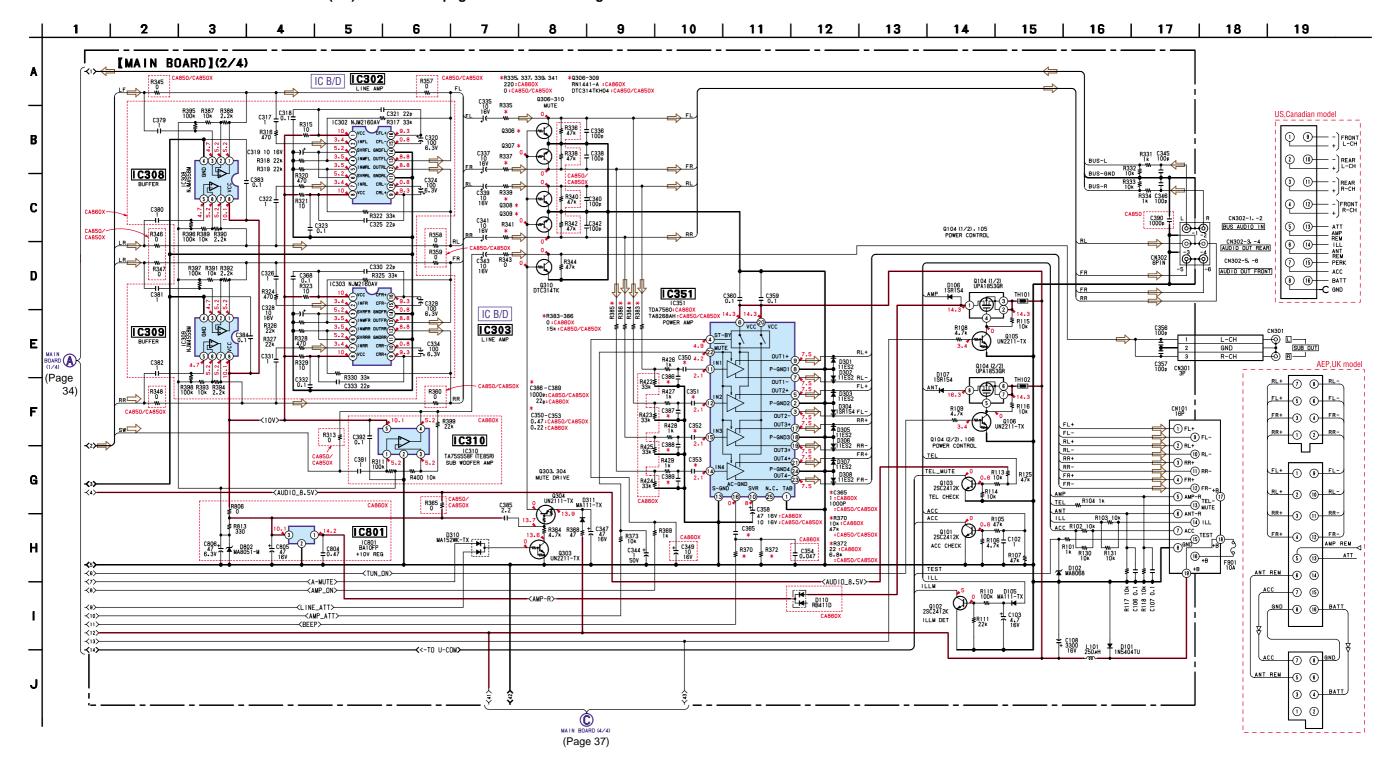


• Refer to page 27 for Waveforms.

3-10. SCHEMATIC DIAGRAM — MAIN SECTION (1/4) — • Refer to page 42 for IC Block Diagrams.



3-11. SCHEMATIC DIAGRAM — MAIN SECTION (2/4) — • Refer to page 43 for IC Block Diagrams.

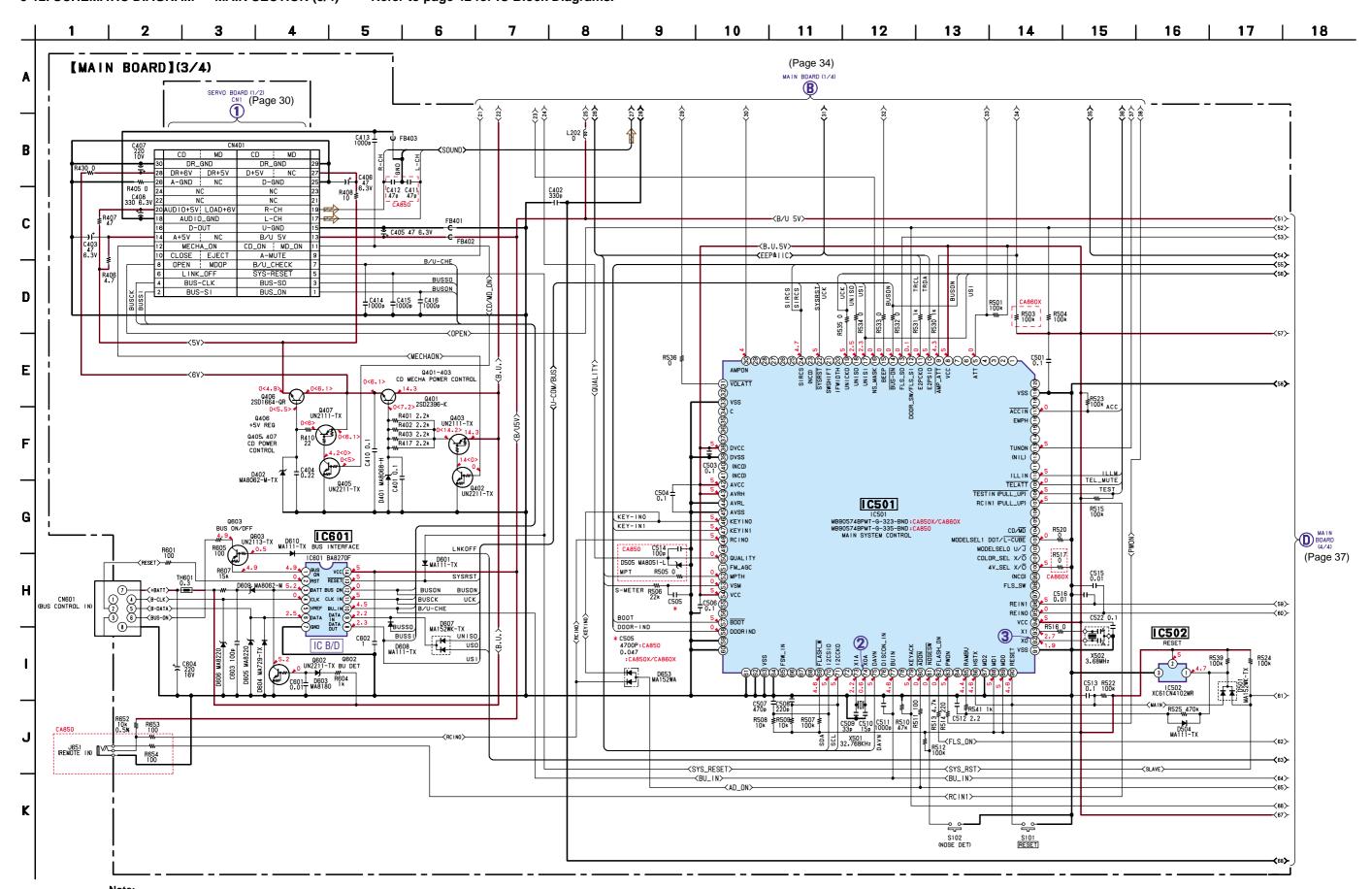


Note:

Voltage is dc with respect to ground under no-signal (detuned) condition.
 no mark: FM

• Refer to page 27 for Waveforms.

3-12. SCHEMATIC DIAGRAM — MAIN SECTION (3/4) — • Refer to page 42 for IC Block Diagrams.

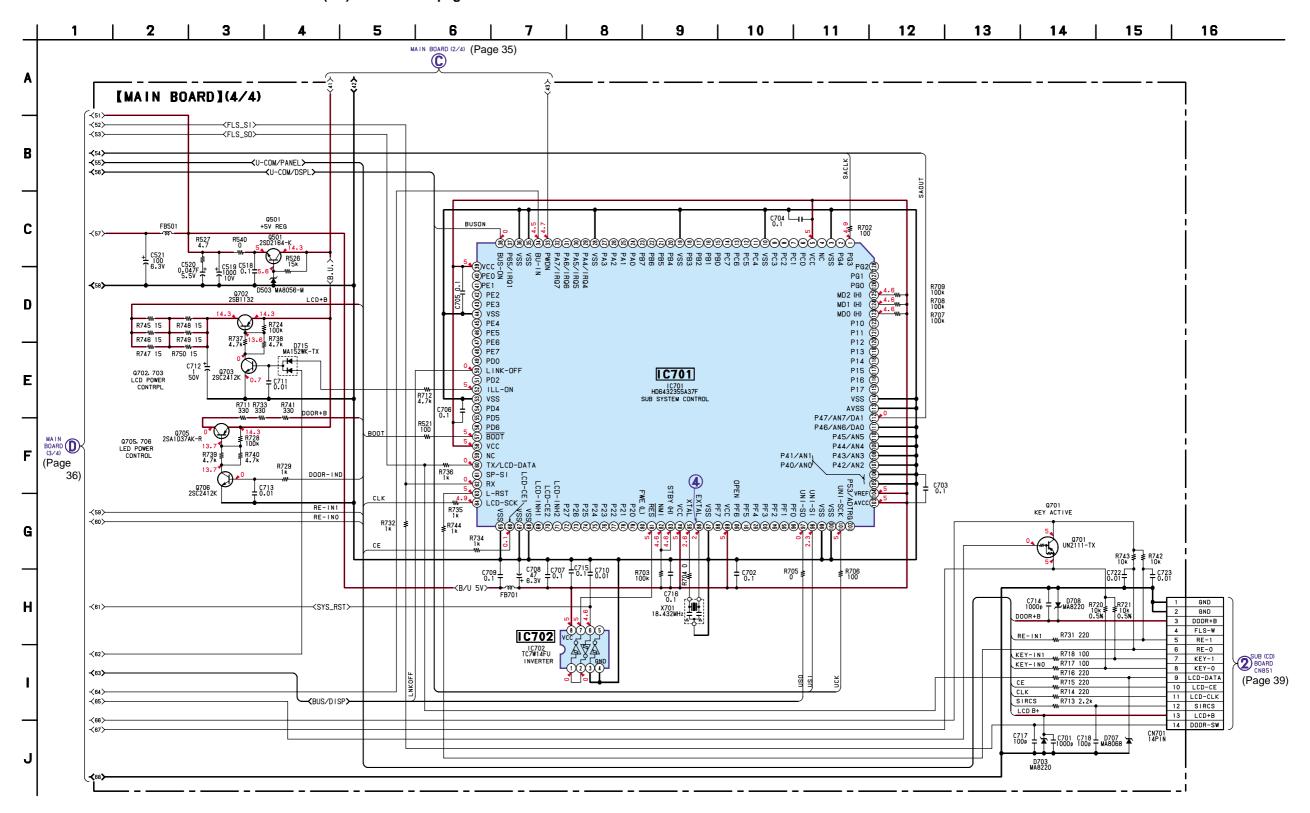


 Voltage is dc with respect to ground under no-signal (detuned) condition.

no mark: FM

): AM/MW/LW > : CD PLAY

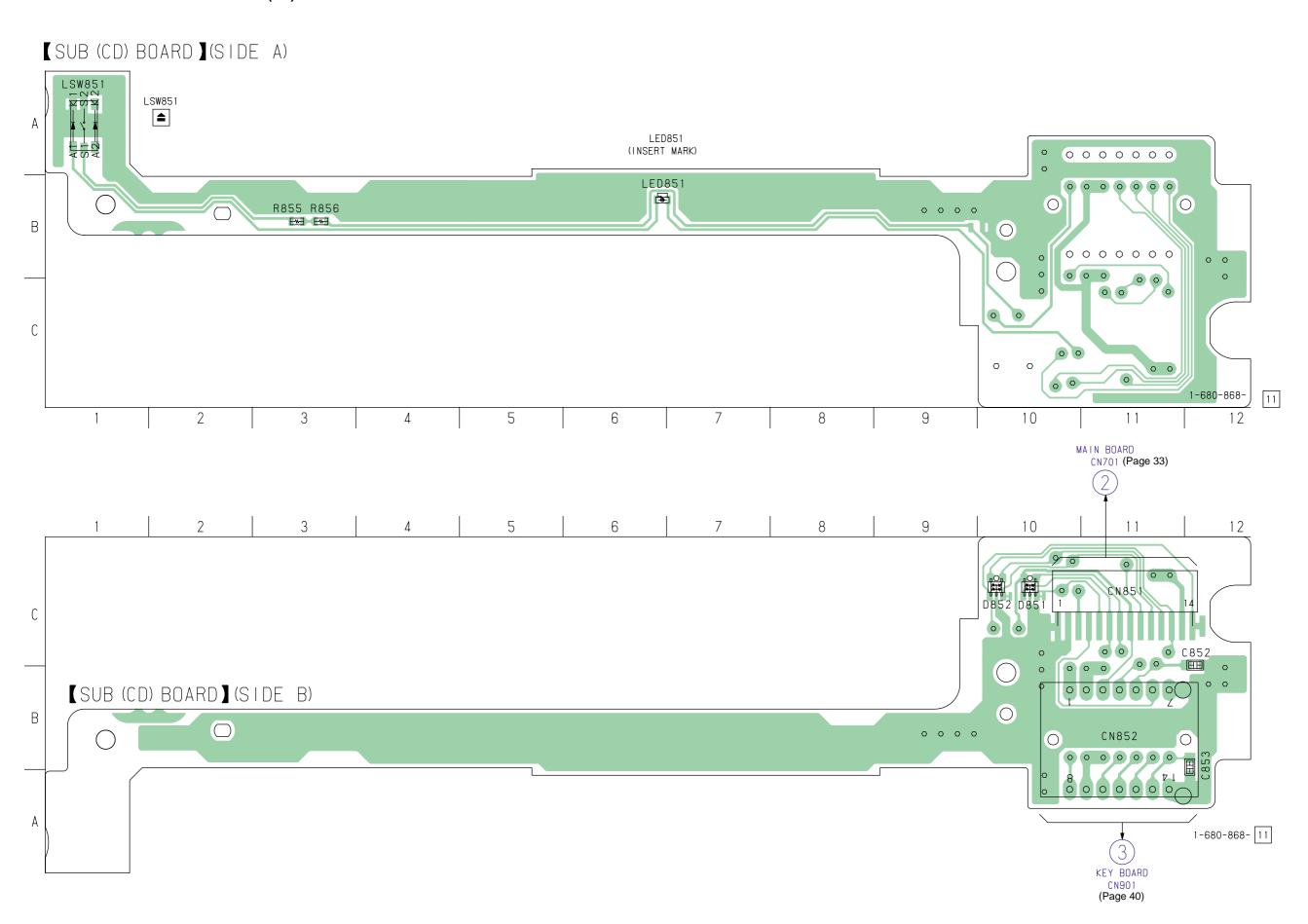
3-13. SCHEMATIC DIAGRAM — MAIN SECTION (4/4) — • Refer to page 27 for Waveforms.



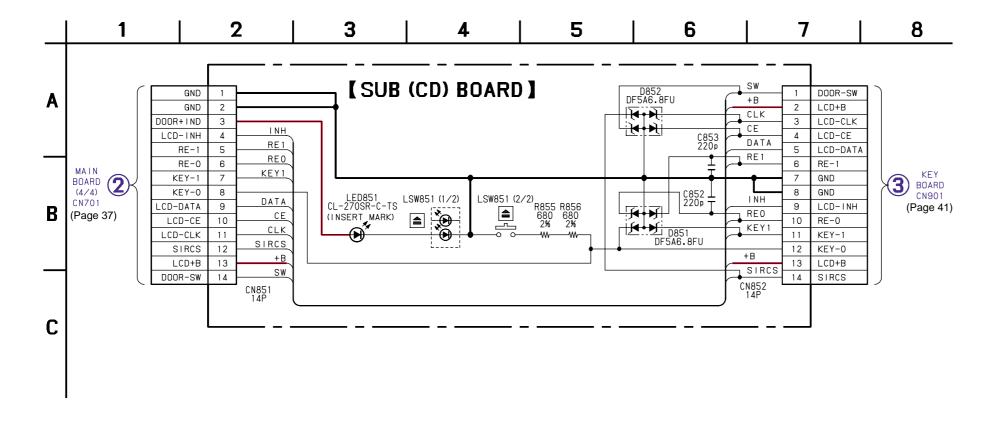
Note:

Voltage is dc with respect to ground under no-signal (detuned) condition.
 no mark: FM

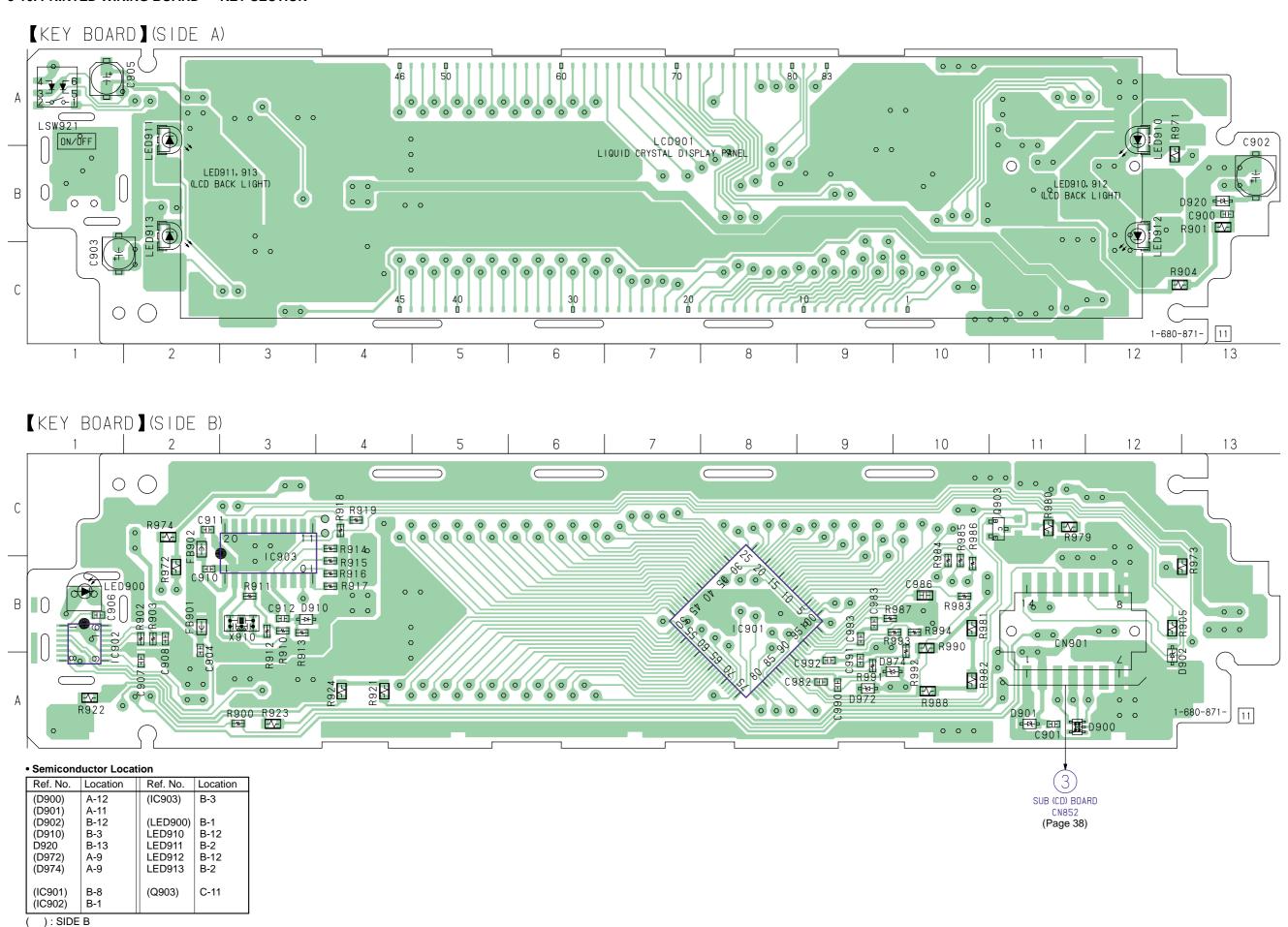
3-14. PRINTED WIRING BOARD — SUB (CD) SECTION —



3-15. SCHEMATIC DIAGRAM — SUB (CD) SECTION —



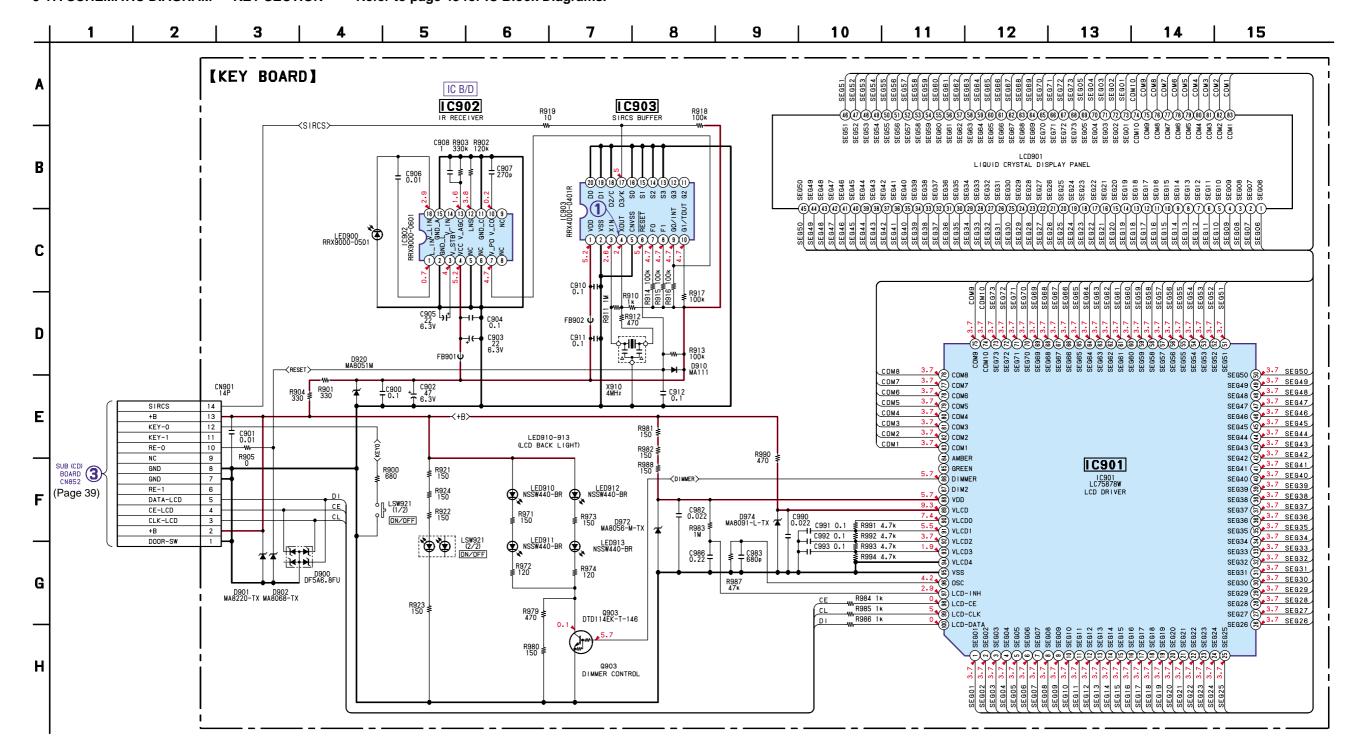
3-16. PRINTED WIRING BOARD — KEY SECTION —



40

• Refer to page 27 for Waveforms.

3-17. SCHEMATIC DIAGRAM — KEY SECTION — • Refer to page 43 for IC Block Diagrams.

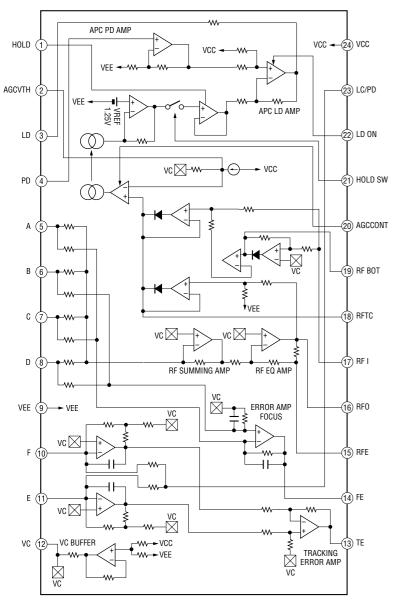


Note:

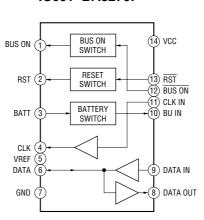
Voltage is dc with respect to ground under no-signal (detuned) condition.
 no mark: FM

• IC BLOCK DIAGRAMS

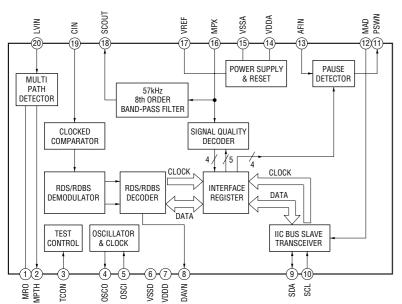
IC1 CXA2596M



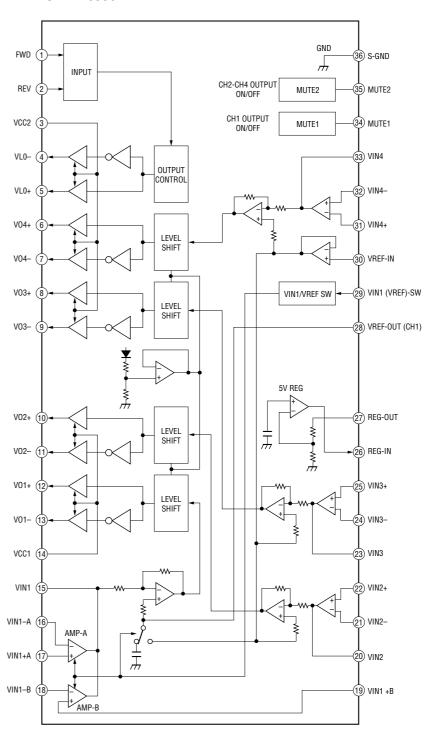
IC601 BA8270F



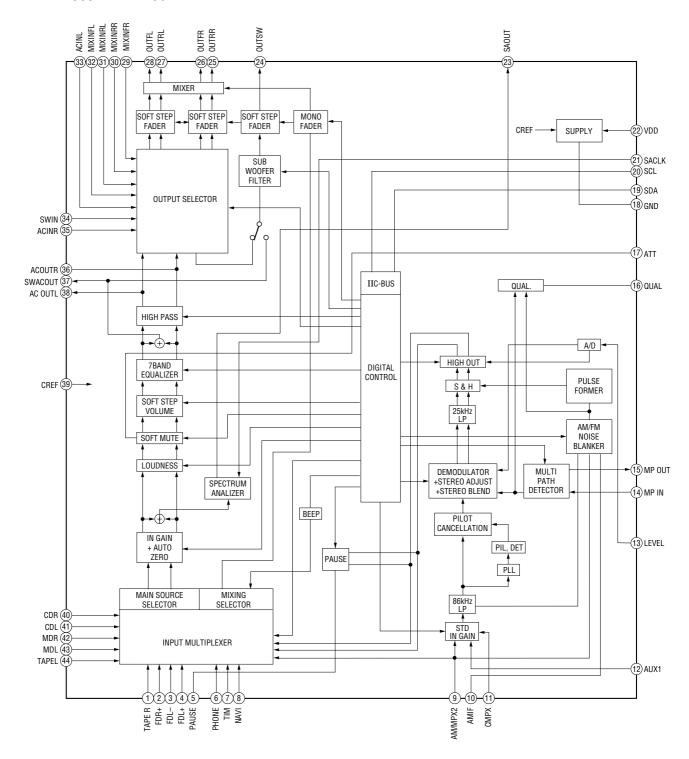
IC201 SAA6588T



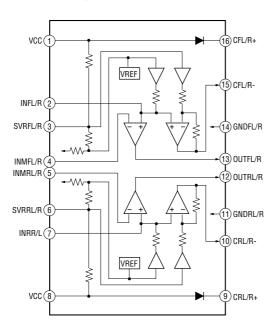
IC7 LA6556L-TE-L



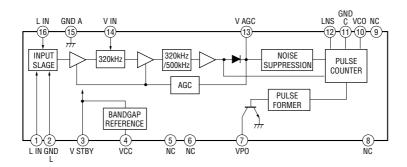
IC301 TDA7406T



IC302, 303 NJM2160AV



IC902 RRX9000-0601



SECTION 4 EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service.
 Some delay should be anticipated when ordering these items.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts Example :

KNOB, BALANCE (WHITE) ... (RED)

↑

Parts Color Cabinet's Color

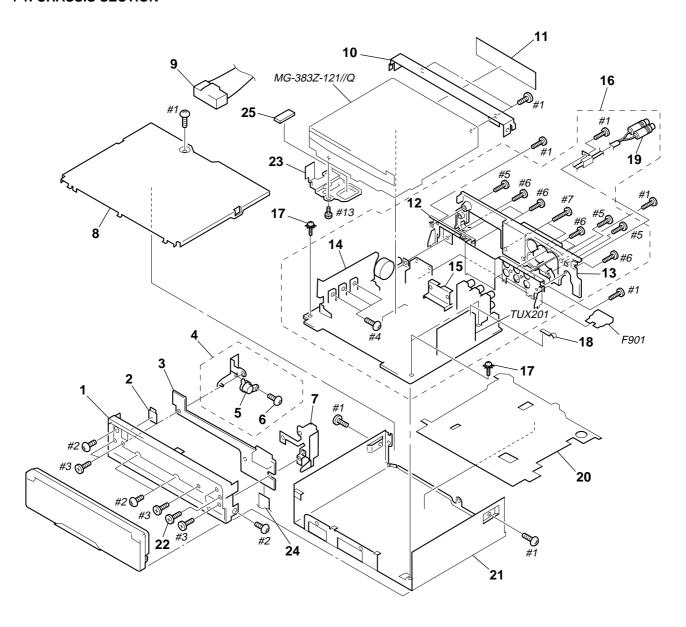
• Accessories and packing materials and hardware (# mark) list are given in the last of this parts list.

The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque \triangle sont critiques pour la sécurité.

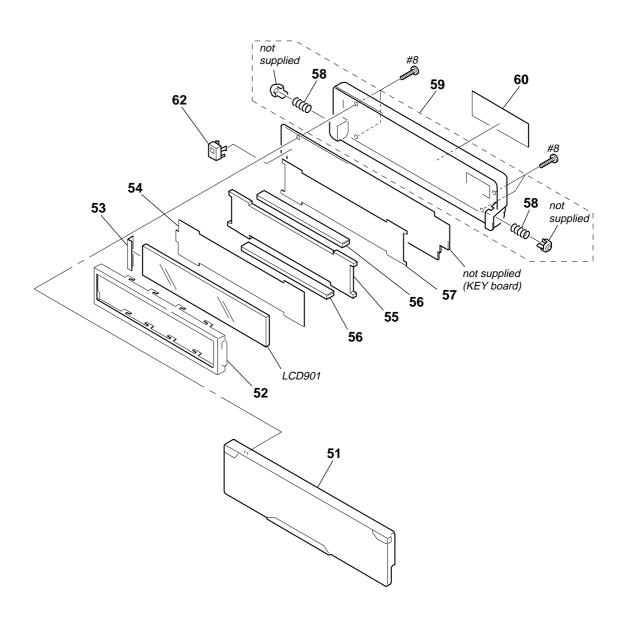
Ne les remplacer que par une piéce portant le numéro spécifié.

4-1. CHASSIS SECTION



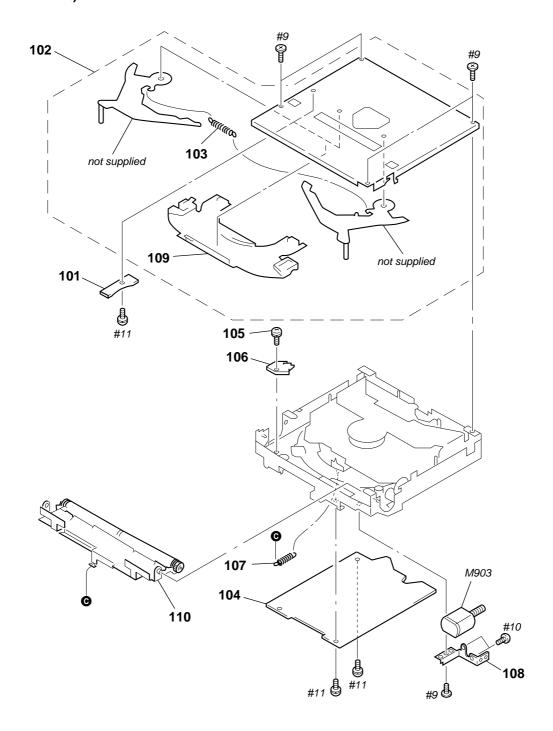
| Ref. No. | Part No. | <u>Description</u> | <u>Remark</u> | <u>R</u> | ef. No. | Part No. | <u>Description</u> | <u>Remark</u> |
|----------|--------------|---------------------------------|---------------|----------|---------|--------------|---------------------------------|---------------|
| 1 | X-3378-512-1 | PANEL ASSY, SUB | | * | 15 | 3-040-998-01 | BRACKET (IC) | |
| 2 | 3-040-990-01 | BUTTON (EJECT) | | * | 16 | | MAIN BOARD, COMPLETE (CA850) | |
| * 3 | 1-680-868-11 | SUB (CD) BOARD | | * | 16 | | MAIN BOARD, COMPLETE (CA860X) | |
| 4 | X-3376-699-1 | GEAR ASSY | | * | 16 | | MAIN BOARD, COMPLETE (CA850X) | |
| 5 | 3-030-909-01 | DAMPER, OIL | | | 17 | 3-376-464-11 | SCREW (+PTT 2.6X6), GROUND POIN | NT |
| 6 | 3-713-786-51 | SCREW +P 2X3 | | * | 18 | 3-045-878-01 | PLATE (TU), GROUND | |
| 7 | X-3377-621-1 | LOCK ASSY | | | 19 | 1-790-355-51 | CORD (WITH CONNECTOR) (RCA) | |
| * 8 | 3-223-782-01 | COVER | | | | | (SUB OU | T (MONO)) |
| 9 | 1-776-207-72 | CORD (WITH CONNECTOR) (POWER) | | * | 20 | 3-224-755-01 | SHEET, INSULATING | |
| | | (CA850) | X/CA860X) | * | 21 | 3-223-781-01 | CHASSIS | |
| 9 | 1-776-527-71 | CORD (WITH CONNECTOR) (ISO) (PO | , | | 22 | 3-047-812-01 | SCREW (LOCK) | |
| | | | (CA850) | ١. | 00 | 0.045.057.04 | HEAT OINIK (OD) | |
| | 0.044.040.04 | DD AOMET (OD) | | * | 20 | 3-045-857-01 | - (-) | |
| * 10 | 3-041-012-01 | BRACKET (CD) | | | 24 | 1-792-195-11 | , | |
| * 11 | 3-227-287-01 | SHEET, DUST PROTECTION | | | 25 | 3-046-626-01 | SHEET, RADIATION | |
| * 12 | 3-223-783-21 | CHASSIS (BACK) | | | F901 | 1-532-877-11 | , , , , |)A |
| * 13 | 3-223-780-01 | HEAT SINK (CA850) | | | TUX201 | A-3220-812-A | TUNER UNIT (TUX-020) | |
| * 13 | 3-223-780-21 | HEAT SINK (CA850X/CA860X) | | | | | | |
| * 14 | 3-223-785-01 | HEAT SINK (REG/D) | | | | | | |

4-2. FRONT PANEL SECTION



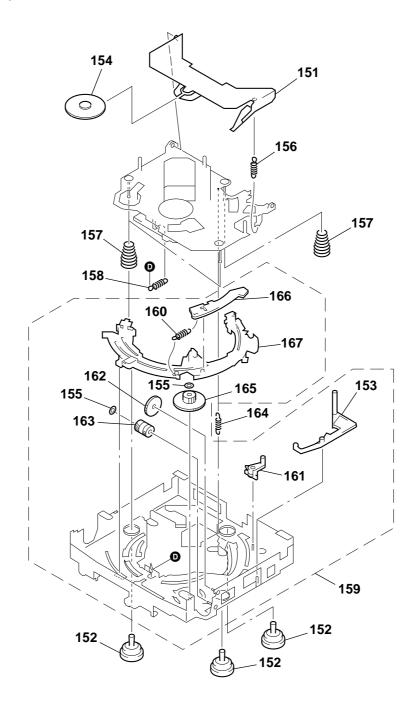
| Ref. No. | Part No. | <u>Description</u> | <u>Remark</u> | Ref. No. | Part No. | Description | <u>Remark</u> |
|--------------------|------------------------------|---|---------------|----------------|--------------|---|---------------|
| 51 * 52 * 53 | | PANEL ASSY, FRONT PLATE (LCD), GROUND SHEFT | | 58 59 60 | X-3380-118-1 | SPRING (BEARING) PANEL ASSY, FRONT BACK PLATE (FBP), ORNAMENTAL (CA850) | |
| * 54 * 55 | 3-227-283-01 | SHEET (ILLUMINATOR) PLATE (LCD), LIGHT GUIDE | | 60 60 | 3-227-286-11 | PLATE (FBP), ORNAMENTAL (CA850X PLATE (FBP), ORNAMENTAL (CA860X | , |
| 56 * 57 | 1-694-780-11 3-227-284-01 | CONDUCTIVE BOARD, CONNECTION SHEET (REFLECTOR) | | * 62 LCD901 | | CASE (IR-T), SHIELD DISPLAY PANEL, LIQUID CRYSTAL | |

4-3. CD MECHANISM SECTION (1) (MG-383Z-121//Q)



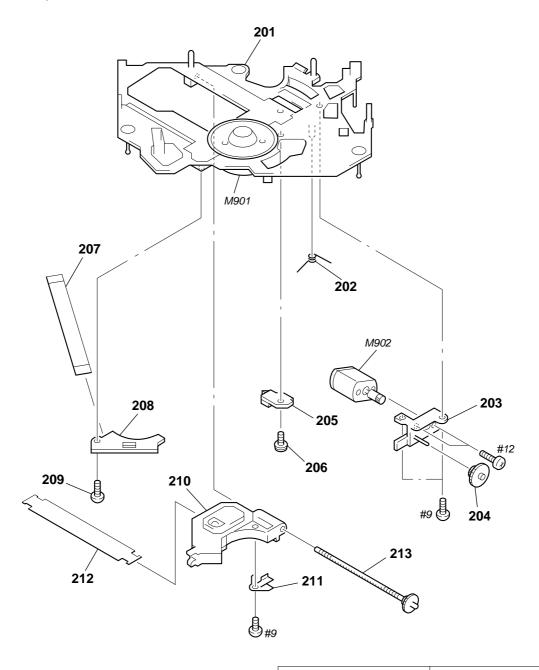
| Ref. No. | Part No. | Description | <u>Remark</u> | Ref. No. | Part No. | Description | <u>Remark</u> |
|--------------|--------------|--|---------------|--------------|--------------|------------------------------|---------------|
| * 101 | | DISC IN BOARD | | 107 | | SPRING (RA2), TENSION COIL | |
| * 102 103 | | CHASSIS (T) ASSY SPRING (LR), TENSION | | * 108 109 | 3-039-629-01 | BRACKET (MOTOR) | |
| * 104 | | SERVO BOARD, COMPLETE | | 110 | | ROLLER ASSY, ARM | |
| 105 | 3-338-737-01 | SCREW (2X3), +PS | | M903 | A-3315-039-A | MOTOR SUB ASSY, LD (LOADING) | |
| * 106 | 1-659-837-11 | LOAD BOARD | | | | | |

4-4. CD MECHANISM SECTION (2) (MG-383Z-121//Q)



| Ref. No. | Part No. | <u>Description</u> | <u>Remark</u> | Ref. No. | Part No. | <u>Description</u> | <u>Remark</u> |
|----------|--------------|---------------------------|---------------|----------|--------------|-----------------------|---------------|
| 151 | X-3378-956-1 | ARM ASSY, CHUCKING | | 160 | 3-220-180-01 | SPRING (TR2), TENSION | |
| 152 | 3-931-897-61 | DAMPER (T) | | 161 | 3-931-881-01 | LEVER (LOCK) | |
| 153 | 3-039-627-01 | LEVER (D) | | 162 | 3-931-882-02 | GEAR (MDL) | |
| 154 | 3-040-165-01 | RETAINER (DISC) | | 163 | 3-007-537-11 | WHEEL (U), WORM | |
| 155 | 3-018-272-01 | WASHER | | 164 | 3-032-484-01 | SPRING (KR1), TENSION | |
| 156 | 3-931-895-01 | SPRING (CH), TENSION | | 165 | 3-014-727-01 | WHEEL (LW), WORM | |
| 157 | 3-931-898-01 | SPRING (FL), COMPRESSION | | 166 | 3-039-626-01 | LEVER (TR) | |
| 158 | 3-032-483-01 | SPRING (KF1), TENSION | | 167 | 3-025-418-22 | RING, LOADING | |
| 159 | A-3307-471-C | OVERALL ASSY, CHASSIS (M) | | | | | |

4-5. CD MECHANISM SECTION (3) (MG-383Z-121//Q)



The components identified by mark \(\triangle \) or dotted line with mark △ are critical for safety.

Replace only with part number specified.

Les composants identifiés par une marque \triangle sont critiques pour la sécurité.

Ne les remplacer que par une piéce portant le numéro spécifié.

| Ref. No. | Part No. | <u>Description</u> | <u>Remark</u> | Ref. No. | Part No. | <u>Description</u> | <u>Remark</u> |
|----------|--------------|------------------------------------|---------------|------------------------|--------------|--------------------------------|---------------|
| 201 | X-3378-598-1 | CHASSIS (OP) ASSY (including M901) |) | * 208 | 1-659-834-11 | SUB BOARD | |
| 202 | 3-043-494-01 | SPRING (SL), TORSION | | 209 | 3-909-607-01 | SCREW | |
| 203 | 3-040-170-01 | BASE (DRIVING) | | 1 1 1 1 1 1 1 1 | 8-820-103-03 | PICK-UP, OPTICAL KSS-720A/K1RP | |
| 204 | 3-040-419-01 | GEAR (MIDWAY) | | 211 | 3-025-743-01 | SPRING (FEED), LEAF | |
| * 205 | 1-659-835-11 | LIMIT BOARD | | 212 | 1-676-707-21 | PICK-UP FLEXIBLE BOARD | |
| | | | | | | | |
| 206 | 3-338-737-01 | SCREW (2X3), +PS | | 213 | A-3315-306-A | SHAFT (FEED) ASSY | |
| 207 | 1-659-880-11 | MOTOR FLEXIBLE BOARD | | M902 | A-3291-674-A | MOTOR ASSY, SLED (SLED) | |

SECTION 5 ELECTRICAL PARTS LIST

DISC IN

KEY

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS All resistors are in ohms. METAL:Metal-film resistor.

METAL OXIDE: Metal oxide-film resistor. F:nonflammable

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated
- when ordering these items.
 SEMICONDUCTORS In each case, $u: \mu$, for example: uA.. : μA.. uPA.. : μPA.. uPB.. : μPB.. uPC.. : μPC.. uPD.. : μPD..

• CAPACITORS $uF:\,\mu F$ • COILS $uH:\; \mu H$

The components identified by mark △ or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque 🛆 sont critiques pour la sécurité.

Ne les remplacer que par une piéce portant le numéro spécifié.

When indicating parts by reference number, please include the board.

| Ref. No. | Part No. | <u>Description</u> | | | <u>Remark</u> | Ref. No. | Part No. | <u>Description</u> | | | <u>Remark</u> |
|--------------|------------------------------|------------------------------|-----------------|-------------|---------------|----------|------------------------------|------------------------|----------------|------------|---------------|
| * | 1-659-836-11 | DISC IN BOARD | | | | D901 | 8-719-018-01 | DIODE MA822 | 0-TX | | |
| | | ****** | | | | D902 | 8-719-017-58 | DIODE MA806 | | | |
| | | | | | | D910 | 8-719-073-01 | DIODE MA111 | | | |
| | | < SWITCH > | | | | D920 | 8-719-420-90 | DIODE MASOS | | | |
| SW1 | 1 570 000 01 | SWITCH, PUSH (I | DISC IVI) | | | D972 | 8-719-977-03 | DIODE MA805 | 6-IVI-1 X | | |
| SW2 | 1-572-288-21 | . , | | | | D974 | 8-719-422-94 | DIODE MA809 | 1-I -TX | | |
| | | ******* | | ****** | ***** | 20 | 0 | 2.022 | . = ./. | | |
| | | | | | | | | < FERRITE BEA | D > | | |
| | | KEY BOARD | | | | ED004 | 4 444 005 00 | INDUSTRE FF | DITE DE LD | | |
| | | ***** | | | | FB901 | | INDUCTOR, FEF | | | |
| | 1-694-780-11 | CONDUCTIVE BOA | ARD CONN | ECTION | | FB902 | 1-414-233-22 | INDUCTOR, FER | NNIIE DEAD | | |
| * | | PLATE (LCD), LIG | | LOTTON | | | | < IC > | | | |
| * | | PLATE (LCD), GR | | | | | | | | | |
| * | | CASE (IR-T), SHIE | | | | IC901 | 8-759-653-26 | IC LC75878W | | | |
| * | 3-227-283-01 | SHEET (ILLUMINA | ATOR) | | | IC902 | | IC RRX9000-0 | | | |
| * | 0.007.004.04 | CUEET (DEEL FOT | OD) | | | IC903 | 8-759-830-17 | IC RRX9000-0 | 401R#01 | | |
| * | 3-227-284-01 3-230-625-01 | SHEET (REFLECT) | UK) | | | | | < LIQUID CRYS | ΤΔΙ ΝΙΟΡΙΔ | V < | |
| | 0 200 020 01 | OTILLT | | | | | | CEIQUID OITIO | IAL DIOI LA | | |
| | | < CAPACITOR > | | | | LCD901 | 1-804-308-11 | DISPLAY PANEI | _, LIQUID CF | RYSTAL | |
| | | | | | | | | | | | |
| C900 | 1-164-156-11 | | 0.1uF | | 25V | | | < DIODE > | | | |
| C901 C902 | 1-162-974-11 | CERAMIC CHIP | 0.01uF 47uF | 20% | 50V 6.3V | I EDOOO | 0 710 002 14 | LED RRX9000 | 0501 (ID D | ECEIVE) | |
| C902 | 1-120-205-11 | | 47 uF 22 uF | 20% | 6.3V | | | LED NSSW440 | | | HT) |
| C904 | | CERAMIC CHIP | 0.1uF | 2070 | 25V | | | LED NSSW440 | | | |
| | | | | | | | | LED NSSW440 | | | |
| C905 | 1-135-852-21 | | 22uF | 20% | 6.3V | LED913 | 8-719-076-58 | LED NSSW440 |)-BRS (LCD | BACK LIG | GHT) |
| C906 | | CERAMIC CHIP | 0.01uF | 5 0/ | 50V | | | OMUTOU | | | |
| C907 C908 | | CERAMIC CHIP CERAMIC CHIP | 270PF 1uF | 5% | 50V 10V | | | < SWITCH > | | | |
| C900 | 1-113-136-11 | | 0.1uF | | 25V | I SW921 | 1-762-619-21 | SWITCH, KEYBO | OARD (WITH | 1 I FD) (O | N/OFF) |
| 0010 | 1 101 100 11 | OLI II IIIII O OI III | 0.141 | | 201 | 2011021 | 1 702 010 21 | O 1111 O 11, 112 1 D 1 | 37111B (****** | | ,, |
| C911 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V | | | < TRANSISTOR | > | | |
| C912 | | CERAMIC CHIP | 0.1uF | | 25V | | | | | | |
| C982 | | CERAMIC CHIP | 0.022uF | 10% | 25V | Q903 | 8-729-904-75 | TRANSISTOR | DID114EK- | I-146 | |
| C983 C986 | 1-115-412-11 | CERAMIC CHIP CERAMIC CHIP | 680PF 0.22uF | 5% 10% | 25V 16V | | | < RESISTOR > | | | |
| 0300 | 1 104 403 11 | OLITAWIO OTIII | 0.22ui | 10 /0 | 100 | | | < TILOIOTOTT > | | | |
| C990 | 1-164-227-11 | CERAMIC CHIP | 0.022uF | 10% | 25V | R900 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/16W |
| C991 | | CERAMIC CHIP | 0.1uF | 10% | 16V | R901 | 1-216-037-00 | | 330 | 5% | 1/10W |
| C992 | | CERAMIC CHIP | 0.1uF | 10% | 16V | R902 | 1-216-846-11 | | 120K | 5% | 1/16W |
| C993 | 1-10/-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V | R903 | 1-216-851-11 1-216-037-00 | | 330K | 5% | 1/16W |
| | | < CONNECTOR > | | | | R904 | 1-210-037-00 | METAL CHIP | 330 | 5% | 1/10W |
| | | COUNTEDIONS | | | | R905 | 1-216-295-11 | SHORT | 0 | | |
| CN901 | 1-794-065-22 | PLUG, CONNECTO | OR 14P | | | R910 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| | | | | | | R911 | 1-216-857-11 | | 1M | 5% | 1/16W |
| | | < DIODE > | | | | R912 | 1-216-817-11 | | 470 | 5% | 1/16W |
| D900 | Q_71Q_070 01 | DIODE DEEVE OF | III/TE0ED\ | | | R913 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| บลูบบ | 0-112-010-01 | DIODE DF5A6.8F | o(IEODN) | | | 1 | | | | | |

| CDX- | CA850/C | A850X/CA | \860X | | | | | | | | |
|----------|--------------|--------------------|-------|-----|---------------|----------|--------------|--------------------|-------------------------------|---------|-------|
| KEY | LIMIT | LOAD | MA | AIN | | | | | | | |
| Ref. No. | Part No. | <u>Description</u> | | | <u>Remark</u> | Ref. No. | Part No. | <u>Description</u> | | | Rema |
| R914 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | * | A-3283-144-A | MAIN BOARD, C | OMPLETE (| CA850) | |
| R915 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | * | A-3283-145-A | | | | |
| R916 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | * | A-3283-146-A | | MAIN BOARD, COMPLETE (CA850X) | | |
| R917 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | | | ****** | ****** | , | |
| R918 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | | | | | | |
| | | | | | | | 1-790-355-53 | CORD (WITH CO | NNECTOR) | (RCA) | |
| R919 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/16W | | | , | , | (SUB OU | T (M0 |
| R921 | 1-216-029-00 | METAL CHIP | 150 | 5% | 1/10W | * | 3-040-998-01 | BRACKET (IC) | | | |
| R922 | 1-216-029-00 | METAL CHIP | 150 | 5% | 1/10W | * | 3-223-780-01 | HEAT SINK (CA850) | | | |
| R923 | 1-216-029-00 | METAL CHIP | 150 | 5% | 1/10W | * | 3-223-780-21 | HEAT SINK (CA8 | HEAT SINK (CA850X/CA860X) | | |
| R924 | 1-216-029-00 | METAL CHIP | 150 | 5% | 1/10W | * | 3-223-783-21 | CHASSIS (BACK |) | | |
| R971 | 1-216-029-00 | METAL CHIP | 150 | 5% | 1/10W | * | 3-223-785-01 | HEAT SINK (REG | i/D) | | |
| R972 | 1-216-027-00 | METAL CHIP | 120 | 5% | 1/10W | | 7-685-646-79 | SCREW +BVTP 3 | | N-S | |
| R973 | 1-216-029-00 | METAL CHIP | 150 | 5% | 1/10W | | 7-685-790-01 | SCREW +PTT 2.6 | 6X4 (S) | | |
| R974 | 1-216-027-00 | METAL CHIP | 120 | 5% | 1/10W | | 7-685-793-09 | SCREW +PTT 2.6 | 6X8 (S) | | |
| R979 | 1-216-041-00 | METAL CHIP | 470 | 5% | 1/10W | | 7-685-794-09 | SCREW +PTT 2.6 | 6X10 (S) | | |
| R980 | 1-216-029-00 | METAL CHIP | 150 | 5% | 1/10W | | 7-685-797-09 | SCREW +PTT 2.6 | 6X16 (S) | | |
| R981 | 1-216-029-00 | METAL CHIP | 150 | 5% | 1/10W | | | | ` , | | |
| R982 | 1-216-029-00 | METAL CHIP | 150 | 5% | 1/10W | | | < CAPACITOR > | | | |
| R983 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/16W | | | | | | |
| R984 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | C102 | 1-127-573-11 | CERAMIC CHIP | 1uF | 10% | 16V |
| | | | | | | C103 | 1-124-259-11 | ELECT | 4.7uF | 20% | 16V |
| R985 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | C106 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25\ |
| R986 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | C107 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| R987 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W | C108 | 1-126-936-11 | ELECT | 3300uF | 20% | 16V |

50V

50V

16V

25V

6.3V

50V

25V

50V

50V (CA850)

50V

16V

50V

50V (CA850)

6.3V

50V

25V (CA850)

50V

50V (CA850)

5%

20%

20%

10%

5%

5%

5%

10%

10%

5%

5%

10%

10%

0.0047uF 10%

18PF

47uF

0.1uF

47uF

27PF

27PF

470PF

0.1uF

560PF

2.2uF

330PF

0.1uF

0.001uF

0.001uF

0.0022uF

0.001uF

1-162-918-11 CERAMIC CHIP

1-162-968-11 CERAMIC CHIP

1-164-156-11 CERAMIC CHIP

1-162-964-11 CERAMIC CHIP

1-164-156-11 CERAMIC CHIP

1-162-920-11 CERAMIC CHIP

1-162-920-11 CERAMIC CHIP

1-164-315-11 CERAMIC CHIP

1-107-826-11 CERAMIC CHIP

1-162-966-11 CERAMIC CHIP

1-164-739-11 CERAMIC CHIP

1-135-834-11 CERAMIC CHIP

1-162-959-11 CERAMIC CHIP

1-164-156-11 CERAMIC CHIP

1-162-964-11 CERAMIC CHIP

1-162-964-11 CERAMIC CHIP

1-124-589-11 ELECT

1-126-154-11 ELECT

1-216-829-11 METAL CHIP < VIBRATOR >

1-216-029-00 METAL CHIP

1-216-041-00 METAL CHIP

1-216-829-11 METAL CHIP

1-216-829-11 METAL CHIP

1-216-829-11

R988

R990

R991

R992

R993

R994

X910

********************** 1-659-835-11 LIMIT BOARD

1-781-646-21 VIBRATOR, CERAMIC (4MHz)

METAL CHIP

150

470

4.7K

4.7K

4.7K

4.7K

5%

5%

5%

5%

5%

5%

1/10W

1/10W

1/16W

1/16W

1/16W

1/16W

C201 C202

C203

C204

C205

C206

C207

C208

C209

C210

C211

C212

C213

C214

C215

C216

C217

C218

< SWITCH >

SW3 1-572-688-11 SWITCH, PUSH (1 KEY) (LIMIT) ***********************

1-659-837-11 LOAD BOARD

< SWITCH >

SW4 1-572-288-21 SWITCH, PUSH (DOWN)

| D (N | D . N | 5 | | | 5 . | L D (N | D . N | | | | |
|--------------|------------------------------|------------------------------|-------------------|------------|-----------------|--------------|------------------------------|----------------------------|---------------|---------------------|-------------------|
| Ref. No. | Part No. | <u>Description</u> | | | <u>Remark</u> | Ref. No. | Part No. | <u>Description</u> | | | <u>Remark</u> |
| C219 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V (CA850) | C332 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V (CA860X) |
| C220 | | CERAMIC CHIP | 0.1uF | 10% | 16V (CA850) | C333 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V (CA860X) |
| C221 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V (CA850) | C334 | 1-124-584-00 | | 100uF | 20% | 10V (CA860X) |
| C222 | | CERAMIC CHIP | 10PF | 0.5PF | 50V (CA850) | C335 C336 | 1-124-779-00 1-162-927-11 | ELECT CHIP CERAMIC CHIP | 10uF 100PF | 20% 5% | 16V 50V |
| C223 | 1-125-891-11 | CERAMIC CHIP | 0.47uF | 10% | 10V (CA850) | C337 | 1-124-779-00 | ELECT CHIP | 10uF | 20% | 16V |
| C224 | 1-165-176-11 | CERAMIC CHIP | 0.047uF | 10% | 16V | C338 C339 | 1-162-927-11 1-124-779-00 | CERAMIC CHIP ELECT CHIP | 100PF 10uF | 5% 20% | 50V 16V |
| C225 | 1-126-785-11 | ELECT | 47uF | 20% | (CA850) 10V | C340 C341 | 1-162-927-11 1-124-779-00 | CERAMIC CHIP ELECT CHIP | 100PF 10uF | 5% 20% | 50V 16V |
| C226 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | (CA850) 25V | C342 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C227 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V | C343 | 1-126-157-11 | ELECT | 100F | 20% | 16V |
| C228 | | CERAMIC CHIP | 0.1uF | | 25V | C344 | 1-104-942-11 | ELECT | 1uF | 20% | 50V |
| | | | | | (CA850) | C345 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| | | | | | , | C346 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C229 | 1-125-837-11 | CERAMIC CHIP | 1uF | 10% | 6.3V | | | | | | |
| C302 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | C347 | 1-124-589-11 | ELECT | 47uF | 20% | 16V |
| C303 | 1-125-891-11 | CERAMIC CHIP | 0.47uF | 10% | 10V | C349 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C304 | 1-162-968-11 | CERAMIC CHIP | 0.0047uF | 10% | 50V | | | | | | (CA860X) |
| C305 | 1-125-837-11 | CERAMIC CHIP | 1uF | 10% | 6.3V | C350 | 1-115-467-11 | CERAMIC CHIP | 0.22uF | 10% | 10V (CA860X) |
| C306 C307 | 1-165-176-11 1-162-970-11 | CERAMIC CHIP CERAMIC CHIP | 0.047uF 0.01uF | 10% 10% | 16V 25V | C350 | 1-125-891-11 | CERAMIC CHIP | 0.47uF | | 10V 50/CA850X) |
| C308 | 1-126-193-11 | ELECT CHIP | 1uF | 20% | 50V | C351 | 1-115-467-11 | CERAMIC CHIP | 0.22uF | 10% | 10V |
| C309 | 1-126-193-11 | | 1uF | 20% | 50V | | | | | | (CA860X) |
| C310 | 1-126-193-11 | ELECT CHIP | 1uF | 20% | 50V | | | | | | |
| | | | | | | C351 | 1-125-891-11 | CERAMIC CHIP | 0.47uF | 10% | 10V |
| C311 | 1-104-942-11 | | 1uF | 20% | 50V | | | | | ` | 0/CA850X) |
| C312 | 1-136-154-00 | | 0.012uF | 5% | 50V | C352 | 1-115-467-11 | CERAMIC CHIP | 0.22uF | 10% | 10V |
| C313 | 1-162-965-11 | CERAMIC CHIP | 0.0015uF | 10% | 50V | | | | | | (CA860X) |
| C314 | 1-136-154-00 | | 0.012uF | 5% | 50V | C352 | 1-125-891-11 | CERAMIC CHIP | 0.47uF | 10% | 10V |
| C315 | 1-162-965-11 | CERAMIC CHIP | 0.0015uF | 10% | 50V | 0050 | 4 445 407 44 | 0504440 01110 | 0.00 5 | | 50/CA850X) |
| 0010 | 1-126-157-11 | EL EOT | 10 | 000/ | 101/ | C353 | 1-115-467-11 | CERAMIC CHIP | 0.22uF | 10% | 10V |
| C316 C317 | 1-120-157-11 | | 10uF 1uF | 20% 10% | 16V 16V | C353 | 1 105 001 11 | CEDAMIC CUID | 0.47uF | 10% | (CA860X) 10V |
| 6317 | 1-127-373-11 | CENAIVIIC CHIP | TUF | 1070 | (CA860X) | 0333 | 1-125-891-11 | CERAMIC CHIP | 0.47 ur | | 50/CA850X) |
| C318 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | (CA600X) | | | | | (UAOS | JU/UHOJUN) |
| 0010 | 1 101 100 11 | OLIV WING OTHE | 0.101 | | (CA860X) | C354 | 1-165-176-11 | CERAMIC CHIP | 0.047uF | 10% | 16V |
| C319 | 1-126-157-11 | ELECT | 10uF | 20% | 16V | 0001 | | OLI II III III O | 0.017 41 | 1070 | (CA860X) |
| | | | | | (CA860X) | C356 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C320 | 1-124-584-00 | ELECT | 100uF | 20% | 10V | C357 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| | | | | | (CA860X) | C358 | 1-124-589-11 | ELECT | 47uF | 20% | 16V |
| | | | | | | | | | | | (CA860X) |
| C321 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V | C358 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C322 | 1-127-573-11 | CERAMIC CHIP | 1uF | 10% | (CA860X) 16V | | | | | (CA85 | 50/CA850X) |
| | | | | | (CA860X) | C359 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| C323 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V | C360 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| 0004 | 1 101 501 00 | EL EOT | 400 F | 000/ | (CA860X) | C364 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | 400/ | 25V |
| C324 | 1-124-584-00 | ELECT | 100uF | 20% | 10V | C365 | 1-125-837-11 | CERAMIC CHIP | 1uF | 10% | 6.3V |
| 0005 | 1 100 010 11 | CEDAMIC CUID | 22PF | 5% | (CA860X) 50V | C365 | 1 100 004 11 | CEDAMIC CUID | 0.001 | 10% | (CA860X) 50V |
| C325 | 1-102-919-11 | CERAMIC CHIP | 2277 | J70 | (CA860X) | 6300 | 1-102-904-11 | CERAMIC CHIP | 0.001uF | | 50V 50/CA850X) |
| C326 | 1-127-572-11 | CERAMIC CHIP | 1uF | 10% | 16V | C368 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| 0320 | 1-121-313-11 | OLIMAINIO OTIIF | Tui | 10 /0 | (CA860X) | 0300 | 1-104-130-11 | CLIMINIC CITIF | U. Tui | | (CA860X) |
| C327 | 1-126-785-11 | FLECT | 47uF | 20% | 10V | C373 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C328 | 1-126-157-11 | | 10uF | 20% | 16V | 0070 | 1-102-321-11 | OLITAWIO OTIII | 10011 | J /0 | (CA860X) |
| 0020 | 1 120 107 11 | LLLOI | Tour | 2070 | (CA860X) | C373 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C329 | 1-124-584-00 | FLECT | 100uF | 20% | 10V | 0070 | 1 102 000 11 | OLIVIANIO OIIII | 0.002241 | | 50/CA850X) |
| 0020 | 1 121 001 00 | | 10001 | 2070 | (CA860X) | C374 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C330 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V | 307 1 | . 102 021 11 | J_10 0000 | 10011 | 5 / 3 | (CA860X) |
| 5550 | | | | - / - | (CA860X) | C374 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| | | | | | (/ / | | 3= 200 | | | | 50/CA850X) |
| C331 | 1-127-573-11 | CERAMIC CHIP | 1uF | 10% | 16V | | | | | , | / |
| | | | | | (CA860X) | C375 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| | | | | | . , | | | | | | (CA860X) |
| | | | | | | | | | | | , |

| Ref. No. | Part No. | Description | | | Remark | Ref. No. | Part No. | Description | | | Remark |
|--------------|------------------------------|------------------------------|--------------------|--------------|-------------------|--------------|------------------------------|------------------------------|------------------|-------------|------------------|
| C375 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V | C416 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| 03/3 | 1-102-900-11 | GENAIVIIG GHIF | 0.00ZZUF | | 50V 50/CA850X) | C501 | 1-164-156-11 | CERAMIC CHIP | 0.00 TuF | 10 /0 | 25V |
| C376 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V | C503 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| | | | | | (CA860X) | C504 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| C376 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V 60/CA850X) | C505 | 1-162-968-11 | CERAMIC CHIP | 0.0047uF | 10% | 50V |
| C377 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V | | | | | | (CA850) |
| 0077 | 1 102 327 11 | OLITAWIO OTIII | 10011 | 3 /0 | (CA860X) | C505 | 1-165-176-11 | CERAMIC CHIP | 0.047uF | 10% | 16V |
| C377 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V | | | | | (CA850) | X/CA860X) |
| | | | | (CA85 | 0/CA850X) | C506 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | 5 0/ | 25V |
| C378 | 1-164-227-11 | CERAMIC CHIP | 0.022uF | 10% | 25V | C507 C508 | 1-164-315-11 1-164-230-11 | CERAMIC CHIP CERAMIC CHIP | 470PF 220PF | 5% 5% | 50V 50V |
| C379 | 1-104-227-11 | CERAMIC CHIP | 1uF | 10% | 6.3V | C509 | 1-162-921-11 | CERAMIC CHIP | 33PF | 5% | 50V |
| | | | | | (CA860X) | | | | | | |
| C380 | 1-125-837-11 | CERAMIC CHIP | 1uF | 10% | 6.3V | C510 | 1-162-917-11 | CERAMIC CHIP | 15PF | 5% | 50V |
| 0001 | 1 105 007 11 | CEDAMIC CLUD | 1 | 100/ | (CA860X) | C511 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C381 | 1-125-837-11 | CERAMIC CHIP | 1uF | 10% | 6.3V (CA860X) | C512 C513 | 1-135-834-11 1-164-156-11 | CERAMIC CHIP CERAMIC CHIP | 2.2uF 0.1uF | | 6.3V 25V |
| C382 | 1-125-837-11 | CERAMIC CHIP | 1uF | 10% | 6.3V | C514 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| | | | | | (CA860X) | | | | | | (CA850) |
| 0000 | 1 101 150 11 | OED ANALO OLUB | 04.5 | | 051/ | 0545 | 4 400 074 44 | OED ANALO OLUD | 0.04 5 | | 501/ |
| C383 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V (CA860X) | C515 C516 | 1-162-974-11 1-162-974-11 | CERAMIC CHIP CERAMIC CHIP | 0.01uF 0.01uF | | 50V 50V |
| C384 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V | C518 | 1-164-156-11 | CERAMIC CHIP | 0.01uF | | 25V |
| | | | | | (CA860X) | C519 | 1-107-877-11 | ELECT | 1000uF | 20% | 10V |
| C385 | 1-125-889-11 | CERAMIC CHIP | 2.2uF | 10% | 10V | C520 | 1-125-701-11 | DOUBLE LAYERS | 0.047F | | 5.5V |
| C386 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V (CA860X) | C521 | 1-124-584-00 | ELECT | 100uF | 20% | 10V |
| C386 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | (CA660X) 50V | C521 | 1-124-364-00 | CERAMIC CHIP | 0.1uF | 20% | 25V |
| 0000 | 1 102 001 11 | ozna mno om | 0.00141 | | 0/CA850X) | C601 | 1-162-974-11 | CERAMIC CHIP | 0.01uF | | 50V |
| | | | | | | C602 | 1-125-837-11 | CERAMIC CHIP | 1uF | 10% | 6.3V |
| C387 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V | C603 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C387 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | (CA860X) 50V | C604 | 1-104-653-11 | ELECT | 220uF | 20% | 16V |
| 0007 | 1 102 304 11 | OLITAWIO OTIII | 0.00141 | | 0/CA850X) | C701 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C388 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V | C702 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| 0000 | | 0504440 01110 | 0.004 5 | 400/ | (CA860X) | C703 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| C388 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% (CA85 | 50V 60/CA850X) | C704 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| C389 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V | C705 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| | | | | | (CA860X) | C706 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| 0000 | | 0504440 01110 | 0.004 5 | 400/ | 5017 | C707 | | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C389 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | | 50V 60/CA850X) | C708 C709 | 1-126-205-11 1-107-826-11 | | 47uF 0.1uF | 20% 10% | 6.3V 16V |
| C390 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V | 0709 | 1-107-020-11 | CENAINIC CHIP | U. Tui | 10 /0 | 100 |
| | | | | | (CA850) | C710 | 1-162-974-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C391 | 1-125-837-11 | CERAMIC CHIP | 1uF | 10% | 6.3V | C711 | | | 0.01uF | 10% | 25V |
| C392 | 1 164 156 11 | CERAMIC CHIP | 0.1uF | | (CA860X) 25V | C712 C713 | 1-126-401-21 1-162-970-11 | ELECT CHIP CERAMIC CHIP | 1uF 0.01uF | 20% 10% | 50V 25V |
| 0332 | 1-104-130-11 | CENAIMIC CITIF | U. Tul | | (CA860X) | C714 | 1-162-964-11 | CERAMIC CHIP | 0.01uF | 10% | 50V |
| C393 | 1-127-715-11 | CERAMIC CHIP | 0.22uF | 10% | 16V | | | | | | |
| | | | | | | C715 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| C394 | 1-127-715-11 1-107-826-11 | CERAMIC CHIP CERAMIC CHIP | 0.22uF 0.1uF | 10% | 16V 16V | C716 C717 | 1-164-156-11 1-162-927-11 | CERAMIC CHIP CERAMIC CHIP | 0.1uF 100PF | 5% | 25V 50V |
| C401 C402 | 1-107-020-11 | CERAMIC CHIP | 330PF | 10% 10% | 50V | C717 | | CERAMIC CHIP | 100PF | 5% 5% | 50V 50V |
| C403 | 1-126-154-11 | ELECT | 47uF | 20% | 6.3V | C722 | | CERAMIC CHIP | 0.01uF | 0 70 | 50V |
| C404 | 1-165-128-11 | CERAMIC CHIP | 0.22uF | | 16V | | | | | | |
| 0.405 | 1 100 151 11 | FLEOT | 47 | 000/ | C 0)/ | C723 | 1-162-974-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C405 C406 | 1-126-154-11 1-126-154-11 | | 47uF 47uF | 20% 20% | 6.3V 6.3V | C801 C802 | 1-162-974-11 1-162-974-11 | CERAMIC CHIP CERAMIC CHIP | 0.01uF 0.01uF | | 50V 50V |
| C407 | 1-126-176-11 | | 220uF | 20% | 10V | C803 | 1-128-526-11 | ELECT | 100uF | 20% | 10V |
| C408 | 1-128-057-11 | | 330uF | 20% | 6.3V | C804 | 1-125-891-11 | | 0.47uF | 10% | 10V |
| C410 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V | 222- | 4 404 505 11 | EL FOT | 47.5 | 000/ | 4011 |
| C411 | 1-162-923-11 | CERAMIC CHIP | 47PF | 5% | 50V | C805 | 1-124-589-11 | ELEUI | 47uF | 20% | 16V (CA860X) |
| 0411 | 1-102-223-11 | OLIMINIO UNIP | 41 FF | J /0 | (CA850) | C806 | 1-126-154-11 | ELECT | 47uF | 20% | (CA86UX) 6.3V |
| C412 | 1-162-923-11 | CERAMIC CHIP | 47PF | 5% | 50V | | 0 .01 11 | | | , , , | (CA860X) |
| | | | | | (CA850) | | | | | | • |
| C413 | 1-162-964-11 1-162-964-11 | CERAMIC CHIP CERAMIC CHIP | 0.001uF 0.001uF | 10% | 50V 50V | | | < CONNECTOR > | | | |
| C414 C415 | 1-162-964-11 | | 0.001uF 0.001uF | 10% 10% | 50V 50V | CN101 | 1-774-701-11 | PIN, CONNECTOR | 16P | | |
| 00 | | | | | | * CN301 | 1-564-506-11 | , | | | |
| | | | | | | | | | | | |

| Ref. No. | Part No. | <u>Description</u> Remark | Ref. No. | Part No. | <u>Description</u> Remark |
|--------------|--------------|--|----------------|--------------|---|
| CN401 | | PIN, CONNECTOR (PC BOARD) 30P | FB403 | | INDUCTOR, FERRITE BEAD (CA850) |
| CN601 | | PLUG, CONNECTOR (BUS CONTROL IN) | FB501 | | INDUCTOR, FERRITE BEAD |
| CN701 | | CONNECTOR, FFC/FPC 14P | FB701 | | INDUCTOR, FERRITE BEAD |
| | | | | | |
| | | < JACK > | | | < IC > |
| CN201 | 1-815-185-11 | JACK (ANTENNA) | IC201 | 8-759-492-59 | IC SAA6588T/V2-118 (CA850) |
| | | JACK, PIN 6P (BUS AUDIO IN,AUDIO OUT) | IC202 | | IC BA4558F-E2 (CA850) |
| | | | IC301 | | IC TDA7406T |
| | | < DIODE > | IC302 | | IC NJM2160AV-TE2 (CA860X) |
| D101 | 0 710 040 20 | DIODE 1N5404TU | IC303 | 8-759-826-90 | IC NJM2160AV-TE2 (CA860X) |
| D101 | | DIODE MA8068 | IC304 | 8-750-832-20 | IC NJM4580M-(TE2) |
| D102 | | DIODE MA111-(K8).S0 | IC305 | | IC NJM4580M-(TE2) |
| D106 | | DIODE 1SR154-400TE-25 | IC308 | | IC uPC4558G2 (CA860X) |
| D107 | 8-719-053-18 | DIODE 1SR154-400TE-25 | IC309 | | IC uPC4558G2 (CA860X) |
| | | | IC310 | 8-759-198-34 | IC TA75S558F(TE85R) (CA860X) |
| D110 | | DIODE RB411D-T146 (CA860X) | 10054 | 0.750.000.00 | 10 TDAZECO (0A0COV) |
| D202 D203 | | DIODE MA111-(K8).S0 DIODE MA8051-L-TX | IC351 IC351 | | IC TDA7560 (CA860X) IC TA8268AH (CA850/CA850X) |
| D203 | | DIODE 1SS226 (CA850) | IC501 | | IC MB90574BPMT-G-335-BND (CA850) |
| D301 | | DIODE 11ES2 | IC501 | | IC MB90574BPMT-G-323-BND |
| | | | | | (CA850X/CA860X) |
| D302 | | DIODE 11ES2 | IC502 | 8-759-828-22 | IC XC61CN4102MR |
| D303 | | DIODE 11ES2 | | | |
| D304 | | DIODE 1SR154-400TE-25 | IC601 | | IC BA8270F-E2 |
| D305 D306 | | DIODE 11ES2 DIODE 11ES2 | IC701 IC702 | | IC HD6432355A37F IC TC7W14FU(TE12R) |
| D300 | 0-713-200-02 | DIODE TIESZ | IC801 | | IC BA10FP-E2 (CA860X) |
| D307 | 8-719-200-82 | DIODE 11ES2 | 10001 | 0 700 100 00 | 10 2711011 22 (07100077) |
| D308 | 8-719-200-82 | DIODE 11ES2 | | | < JACK > |
| D310 | | DIODE 1SS184 | | | |
| D311 | | DIODE MA111-(K8).SO | J651 | 1-566-822-41 | JACK (REMOTE IN) (CA850) |
| D401 | 8-/19-01/-6/ | DIODE MA8068-H | | | < COIL > |
| D402 | 8-719-422-64 | DIODE MA8062-M | | | < GOIL > |
| D501 | | DIODE 1SS184 | L101 | 1-419-476-11 | COIL, CHOKE 250uH |
| D503 | 8-719-977-03 | DIODE DTZ5.6B | L201 | 1-216-864-11 | · · · · · · · · · · · · · · · · · · · |
| D504 | | DIODE MA111-(K8).S0 | L202 | 1-216-296-11 | SHORT 0 |
| D505 | 8-719-422-41 | DIODE MA8051-L-TX (CA850) | | | TDANGIOTOD |
| D601 | 8-710-073-01 | DIODE MA111-(K8).S0 | | | < TRANSISTOR > |
| D603 | | DIODE MA8180 | Q101 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 |
| D604 | | DIODE MA729 | Q102 | | TRANSISTOR 2SC1623-L5L6 |
| D605 | 8-719-018-01 | DIODE MA8220-TX | Q103 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 |
| D606 | 8-719-018-01 | DIODE MA8220-TX | Q104 | | TRANSISTOR UPA1853GR-9JG-E1 |
| D607 | 0 710 001 70 | DIODE 100104 | Q105 | 8-729-421-22 | TRANSISTOR UN2211 |
| D607 D608 | | DIODE 1SS184 DIODE MA111-(K8).S0 | Q106 | 8_720_421_22 | TRANSISTOR UN2211 |
| D609 | | DIODE MA8062-M | Q201 | | TRANSISTOR 2SB1115A-YQ |
| D610 | | DIODE MA111-(K8).S0 | Q202 | | TRANSISTOR UN2211 |
| D653 | 8-719-820-05 | DIODE 1SS181 | Q204 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 (CA850) |
| | | | Q205 | 8-729-421-22 | TRANSISTOR UN2211 (CA850) |
| D703 | | DIODE MASSOS | 0207 | 0 700 000 05 | TDANCICTOR OCDICCA OD |
| D707 D708 | | DIODE MA8068 DIODE MA8220-TX | Q207 Q303 | | TRANSISTOR 2SD1664-QR TRANSISTOR UN2211 |
| D700 | | DIODE 1SS184 | Q304 | | TRANSISTOR UN2111 |
| D801 | | DIODE MA8082-M | Q306 | | TRANSISTOR RN1441-A(TE85L) (CA860X) |
| | | | Q306 | | TRANSISTOR DTC314TKH04 (CA850/CA850X) |
| D802 | 8-719-420-92 | DIODE MA8051-M-TX | | 0 700 00: - | TRANSPORTED BANKEY ASTRONOMY |
| | | . FEDDITE DEAD . | Q307 | | TRANSISTOR RN1441-A(TE85L) (CA860X) |
| | | < FERRITE BEAD > | Q307 Q308 | | TRANSISTOR DTC314TKH04 (CA850/CA850X) TRANSISTOR RN1441-A(TE85L) (CA860X) |
| FB201 | 1-414-235-22 | INDUCTOR, FERRITE BEAD (CA850) | Q308 | | TRANSISTOR DTC314TKH04 (CA850/CA850X) |
| FB301 | | INDUCTOR, FERRITE BEAD | Q309 | | TRANSISTOR RN1441-A(TE85L) (CA860X) |
| FB401 | | INDUCTOR, FERRITE BEAD | | | , , , , |
| FB402 | | INDUCTOR, FERRITE BEAD | Q309 | 8-729-920-21 | TRANSISTOR DTC314TKH04 (CA850/CA850X) |
| FB403 | 1-414-234-22 | INDUCTOR, FERRITE BEAD (CA850X/CA860X) | I | | |

| Ref. No. | Part No. | <u>Description</u> | | | <u>Remark</u> | Ref. No. | Part No. | Description | | | Remark |
|--------------|--------------|--------------------|-------------|--------|------------------|--------------|------------------------------|-------------|------------|-------------|-------------------------|
| Q310 | 8-729-920-21 | TRANSISTOR | DTC314TKHC | 14 | | R210 | 1-216-853-11 | METAL CHIP | 470K | 5% | 1/16W |
| Q401 | | TRANSISTOR | | 77 | | 11210 | 1-210-033-11 | WILIAL OITH | 47010 | J /0 | (CA850) |
| Q402 | | TRANSISTOR | | | | R211 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/16W |
| Q403 | | TRANSISTOR | | | | | . 2.0 . 0 | | . • | 0,10 | (CA850) |
| Q405 | | TRANSISTOR | | | | R212 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/16W |
| Q406 | 8-729-920-85 | TRANSISTOR | 25D1664-OB | , | | R213 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | (CA850) 1/16W |
| Q400 Q407 | 8-729-424-08 | TRANSISTOR | | ı | | nz i s | 1-210-025-11 | WEIAL UNIF | 2.2N | J /0 | (CA850) |
| Q501 | 8-729-040-17 | TRANSISTOR | | | | R214 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/16W |
| Q602 | | TRANSISTOR | | | | 11.211 | 1 210 007 11 | WEINE OITH | 1101 | 0 /0 | (CA850) |
| Q603 | | TRANSISTOR | | | | | | | | | (071000) |
| | | | | | | R215 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W |
| Q701 | 8-729-424-08 | TRANSISTOR | UN2111 | | | | | | | | (CA850) |
| Q702 | 8-729-106-60 | TRANSISTOR | 2SB1115A-Y | Q | | R216 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W |
| Q703 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5I | L6 | | | | | | | (CA850) |
| Q705 | 8-729-026-49 | TRANSISTOR | 2SA1037AK- | T146-R | | R217 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W |
| Q706 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5I | L6 | | | | | | | (CA850) |
| | | | | | | R218 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W |
| Q801 | 8-729-024-95 | TRANSISTOR | | | | | | | | | (CA850) |
| Q802 | 8-729-120-28 | TRANSISTOR | | | | R219 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| Q803 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5I | L6 | | | | | | | (CA850) |
| | | , DECICTOR . | | | | R220 | 1-216-825-11 | METAL CLID | 2.2K | 5% | 1/16W |
| | | < RESISTOR > | | | | K220 | 1-210-020-11 | METAL CHIP | Z.ZN | 3% | (CA850) |
| R101 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | R221 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R102 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W | R222 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W |
| R103 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W | 11222 | 1 210 003 11 | WEIZE OIIII | 100 | 3 /0 | (CA850) |
| R104 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | R222 | 1-216-864-11 | SHORT | 0 | (CA85 | (07.600) (0X/CA860X) |
| R105 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W | R223 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W |
| | | | | | | | | | | | (CA850) |
| R106 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W | | | | | | , , |
| R107 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W | R223 | 1-216-864-11 | SHORT | 0 | (CA85 | 0X/CA860X) |
| R108 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W | R301 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| R109 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W | R302 | 1-216-845-11 | | 100K | 5% | 1/16W |
| R110 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | R303 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W |
| | | | | | | R304 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W |
| R111 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/16W | | | | | | |
| R113 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W | R305 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W |
| R114 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W | R306 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W |
| R115 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W | R307 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W |
| R116 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W | R308 R309 | 1-216-833-11 1-216-833-11 | METAL CHIP | 10K 10K | 5% 5% | 1/16W 1/16W |
| R117 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W | ทอบฮ | 1-210-033-11 | WEIAL UNIF | IUK | J /0 | 1/1000 |
| R118 | 1-216-833-11 | | 10K | 5% | 1/16W | R310 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W |
| R125 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W | R311 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R130 | 1-216-073-00 | | 10K | 5% | 1/10W | | . 2.0 0.0 | | | 0,70 | (CA860X) |
| R131 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W | R312 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W |
| | | | | | | R313 | 1-216-864-11 | SHORT | 0 | (CA8 | 350/CA850X) |
| R201 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/16W | R314 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W |
| R202 | 1-216-831-11 | METAL CHIP | 6.8K | 5% | 1/16W | | | | | | |
| R203 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W | R315 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/16W |
| R204 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W | | | | | | (CA860X) |
| R205 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/16W | R316 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/16W |
| | | | | | | | | | | | (CA860X) |
| R206 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/16W | R317 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/16W |
| D007 | 4 040 707 44 | METAL OLUB | 40 | F0/ | (CA850) | D040 | 1 010 007 11 | METAL OLUB | 001/ | 5 0/ | (CA860X) |
| R207 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/16W | R318 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/16W |
| R208 | 1-216-832-11 | METAL CUID | 8.2K | 5% | (CA850) 1/16W | R319 | 1-216-837-11 | METAL CLID | 22K | 5% | (CA860X) 1/16W |
| n∠U0 | 1-210-032-11 | IVIE IAL UNIP | o.ZN | J /0 | (CA850) | פונח | 1-210-03/-11 | WE IAL UNIP | ZZŇ | J 70 | (CA860X) |
| R209 | 1-216-821-11 | METAL CHIP | 1K | 5% | (CA650) 1/16W | | | | | | (OMOOON) |
| 11200 | . 2.0 021 11 | OIIII | 111 | J /0 | (CA850) | R320 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/16W |
| | | | | | (31.000) | | | | • | - / - | (CA860X) |
| | | | | | | | | | | | , , |

| Ref. No. | Part No. | <u>Description</u> | | | <u>Remark</u> | Ref. No. | Part No. | <u>Description</u> | | | <u>Remark</u> |
|-------------------|------------------------------|--------------------|------------|-------------|--------------------------|----------|--------------|--------------------|-------|-------------|-------------------|
| R321 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/16W | R368 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/16W |
| | | | | | (CA860X) | R369 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R322 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/16W | R370 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W |
| | | | | | (CA860X) | | | | | | (CA860X) |
| R323 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/16W | R370 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W |
| | | | | | (CA860X) | | | | | (CA8 | 50/CA850X) |
| R324 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/16W | R372 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/16W |
| | | | | | (CA860X) | | | | | | (CA860X) |
| R325 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/16W [′] | | | | | | , |
| | | | | | (CA860X) | R372 | 1-216-831-11 | METAL CHIP | 6.8K | 5% | 1/16W |
| | | | | | , | | | | | (CA8 | 50/CA850X) |
| R326 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/16W | R373 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W |
| | | | | | (CA860X) | R375 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/16W |
| R327 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/16W ´ | R376 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/16W |
| | | | | | (CA860X) | R377 | 1-216-813-11 | | 220 | 5% | 1/16W |
| R328 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/16W | | | | | | |
| | | | | • , , | (CA860X) | R378 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/16W |
| R329 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/16W | R379 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/16W |
| | | | . • | • , , | (CA860X) | R380 | 1-216-864-11 | SHORT | 0 | 0,0 | ., |
| R330 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/16W | R381 | 1-216-864-11 | SHORT | 0 | | |
| 11000 | 1 210 000 11 | WEINE OIIII | OOK | 0 70 | (CA860X) | R382 | 1-216-864-11 | | 0 | | |
| | | | | | (0/1000/1) | 11002 | 1 210 001 11 | 0110111 | · · | | |
| R331 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | R383 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/16W |
| R332 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W | 11000 | 1 210 000 11 | WEIAL OIIII | 1010 | 3 /0 | (CA860X) |
| R333 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W | R383 | 1-216-864-11 | SHORT | 0 | (CA8 | 50/CA850X) |
| R334 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | R384 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/16W |
| R335 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/16W | 11004 | 1-210-000-11 | WILIAL OITH | 1010 | J /0 | (CA860X) |
| 11000 | 1-210-013-11 | WILIAL OITH | 220 | J /0 | (CA860X) | R384 | 1-216-864-11 | SHORT | 0 | (048 | 50/CA850X) |
| | | | | | (0,000, | R385 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/16W |
| R335 | 1-216-864-11 | SHORT | 0 | (CA8) | 50/CA850X) | 11000 | 1-210-000-11 | WILIAL OITH | 1010 | J /0 | (CA860X) |
| R336 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W | | | | | | (OAOOOX) |
| 11000 | 1-210-041-11 | WILTAL OTHE | 47 K | | 50/CA850X) | R385 | 1-216-864-11 | SHORT | 0 | (C \ \ \ | 50/CA850X) |
| R337 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/16W | R386 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/16W |
| 11001 | 1-210-010-11 | WILTAL OTTI | 220 | J /0 | (CA860X) | 11000 | 1-210-000-11 | WILIAL OITH | 1010 | J /0 | (CA860X) |
| R337 | 1-216-864-11 | SHORT | 0 | (CAQ) | 50/CA850X) | R386 | 1-216-864-11 | SHORT | 0 | (C \ \ \ | 50/CA850X) |
| R338 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W | R387 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W |
| 11000 | 1-210-041-11 | WILTAL OTTI | 7710 | | 50/CA850X) | 11007 | 1-210-000-11 | WILIAL OITH | TUIX | J /0 | (CA860X) |
| | | | | (UAU | 30/GA030X) | R388 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/16W |
| R339 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/16W | 11300 | 1-210-025-11 | WIL TAL OTTE | 2.21 | J /0 | (CA860X) |
| 11000 | 1-210-010-11 | WILTAL OTTI | 220 | J /0 | (CA860X) | | | | | | (0,000,000) |
| R339 | 1-216-864-11 | SHORT | 0 | /C \ 0 | 50/CA850X) | R389 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W |
| R340 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W | กงอฮ | 1-210-033-11 | WEIAL UNIF | IUK | J /0 | (CA860X) |
| 11040 | 1-210-041-11 | WIL TAL OTHE | 47 IX | | 50/CA850X) | R390 | 1-216-825-11 | METAL CUID | 2.2K | 5% | 1/16W |
| R341 | 1-216-813-11 | METAL CHID | 220 | 5% | 1/16W | 11090 | 1-210-025-11 | WIL TAL OTTE | 2.21 | J /0 | (CA860X) |
| no 4 1 | 1-210-013-11 | WETAL UNIF | 220 | J /0 | (CA860X) | R391 | 1-216-833-11 | METAL CHID | 10K | 5% | 1/16W |
| R341 | 1-216-864-11 | CHUDT | 0 | (CAQ) | 50/CA850X) | 11091 | 1-210-055-11 | WIL TAL OTTE | TUK | J /0 | (CA860X) |
| 11041 | 1-210-004-11 | 3110111 | U | (UAU | 30/0A030X) | R392 | 1-216-825-11 | METAL CUID | 2.2K | 5% | 1/16W |
| R342 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W | nosz | 1-210-025-11 | WE TAL UTIL | Z.ZN | J /0 | (CA860X) |
| N342 | 1-210-041-11 | WETAL CHIP | 4/K | | | Dana | 1-216-833-11 | METAL CHID | 101/ | 5% | 1/16W |
| D040 | 1 010 004 11 | SHORT | 0 | (UAO | 50/CA850X) | R393 | 1-210-033-11 | WE IAL UNIP | 10K | 370 | |
| R343 | 1-216-864-11 | METAL CHIP | 47K | 5% | 1/1CM | | | | | | (CA860X) |
| R344 | 1-216-841-11 | SHORT | | | 1/16W | D204 | 1 016 005 11 | METAL CHID | 0.01/ | E0/ | 1/16W |
| R345 R346 | 1-216-864-11 1-216-864-11 | SHORT | 0 0 | | 50/CA850X) 50/CA850X) | R394 | 1-216-825-11 | WE TAL UTIL | 2.2K | 5% | |
| N340 | 1-210-004-11 | SHUNI | U | (UAO | JU/CAOJUX) | Dage | 1 016 045 11 | METAL CHID | 1001/ | E0/ | (CA860X) 1/16W |
| D247 | 1-216-864-11 | SHORT | n | /C \ 0 | 50/C \ 050V \ | R395 | 1-216-845-11 | WE IAL UNIP | 100K | 5% | |
| R347 | | | 0 | , | 50/CA850X) | Dane | 1 016 045 11 | METAL CHID | 1001/ | E0/ | (CA860X) |
| R348 | 1-216-864-11 | SHORT | 0 | • | 50/CA850X) | R396 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R357 | 1-216-864-11 | SHORT | 0 | ` | 50/CA850X) | Daga | 1 010 045 14 | METAL CLUD | 1001/ | E0/ | (CA860X) |
| R358 | 1-216-864-11 | SHORT | 0 | , | 50/CA850X) | R397 | 1-216-845-11 | IVIE IAL UNIP | 100K | 5% | 1/16W |
| R359 | 1-216-864-11 | SHORT | 0 | (UA8 | 50/CA850X) | Dago | 1 016 045 44 | METAL CLUB | 1001/ | E0/ | (CA860X) |
| Daca | 1 016 064 44 | CHODT | 0 | (0.4.0) | EU/UV0EUV) | R398 | 1-216-845-11 | IVIE IAL UHIP | 100K | 5% | 1/16W |
| R360 | 1-216-864-11 | | 0 4 71/ | , | 50/CA850X) | | | | | | (CA860X) |
| R364 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W | | | | | | |
| R365 | 1-216-864-11 | SHORT | 0 | (CA8 | 50/CA850X) | I | | | | | |

| Ref. No. | Part No. | <u>Description</u> | | | <u>Remark</u> | Ref. No. | Part No. | <u>Description</u> | | | <u>Remark</u> |
|----------|--------------|--------------------|-------|-------------|---------------|----------|--------------|--------------------|-------|-------------|---------------|
| R399 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/16W | R533 | 1-216-864-11 | SHORT | 0 | | |
| 11099 | 1-210-037-11 | WILTAL OTTE | ZZI | J /0 | (CA860X) | R534 | 1-216-864-11 | SHORT | 0 | | |
| D400 | 1-216-833-11 | METAL CHID | 10K | 5% | 1/16W | l | 1-216-864-11 | SHORT | | | |
| R400 | 1-210-033-11 | METAL CHIP | IUN | 370 | | R535 | | | 0 | | |
| D.404 | 1 010 005 11 | METAL OLUB | 0.017 | 5 0/ | (CA860X) | R536 | 1-216-864-11 | SHORT | 0 | 5 0/ | 4 (4 0) 4 (|
| R401 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/16W | R539 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R402 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/16W | | | | | | |
| R403 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/16W | R540 | 1-216-864-11 | SHORT | 0 | | |
| | | | | | | R541 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R405 | 1-216-864-11 | SHORT | 0 | | | R601 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W |
| R406 | 1-216-793-11 | RES-CHIP | 4.7 | 5% | 1/16W | R604 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R407 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/16W | R605 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W |
| R408 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/16W | | | | | | |
| R410 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/16W | R607 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/16W |
| | | | | | ., | R652 | 1-218-871-11 | METAL CHIP | 10K | 0.5% | 1/16W |
| R417 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/16W | R653 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W |
| R422 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/16W | R654 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W |
| 11422 | 1-210-000-11 | WILTAL OTTI | JUIN | J /0 | (CA860X) | 11004 | 1-210-003-11 | WILIAL OTTI | 100 | J /0 | (CA850) |
| R423 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/16W | R702 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W |
| N423 | 1-210-039-11 | WETAL UNIT | JUN | J /0 | | N/UZ | 1-210-009-11 | METAL CHIP | 100 | J /0 | 1/1000 |
| D 40.4 | 1 010 000 11 | METAL OLUB | 001/ | 5 0/ | (CA860X) | D700 | 1 010 015 11 | METAL OLUB | 4001/ | F0/ | 4 (4 0) 14 |
| R424 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/16W | R703 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| | | | | | (CA860X) | R704 | 1-216-864-11 | SHORT | 0 | | |
| R425 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/16W | R705 | 1-216-864-11 | SHORT | 0 | | |
| | | | | | (CA860X) | R706 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W |
| | | | | | | R707 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R426 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | | | | | | |
| R427 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | R708 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R428 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | R709 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R429 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | R711 | 1-216-037-00 | METAL CHIP | 330 | 5% | 1/10W |
| R430 | 1-216-864-11 | SHORT | 0 | | | R712 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W |
| | | | | | | R713 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/16W |
| R501 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | | . 2.0 020 | | | • 70 | ., |
| R503 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | R714 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/16W |
| 11000 | 1 210 040 11 | WEIAL OIIII | 1001 | 3 /0 | (CA860X) | R715 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/16W |
| R504 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | R716 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/16W |
| | 1-216-864-11 | SHORT | 0 | J /0 | | R710 | 1-216-809-11 | METAL CHIP | 100 | | 1/16W |
| R505 | | | | E0/ | (CA850) | | | | | 5% | |
| R506 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/16W | R718 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W |
| R507 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | R719 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R508 | 1-216-833-11 | METAL CHIP | 100K | 5% | 1/16W | R720 | 1-218-871-11 | METAL CHIP | 10K | 0.5% | 1/16W |
| R509 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W | R721 | 1-218-871-11 | METAL CHIP | 10K | 0.5% | 1/16W |
| | | | | | | l | | | | | |
| R510 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/16W | R724 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R511 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W | R728 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R512 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | R729 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R513 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W | R731 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/16W |
| R514 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/16W | R732 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R515 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | R733 | 1-216-037-00 | METAL CHIP | 330 | 5% | 1/10W |
| R516 | 1-216-864-11 | SHORT | 0 | J /0 | 1/1000 | R734 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| 11010 | 1-210-004-11 | 3110111 | U | | | 117.54 | 1-210-021-11 | WILTAL OTHE | IIX | J /0 | 1/1000 |
| R517 | 1-216-864-11 | SHORT | 0 | | (CA860X) | R735 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R520 | 1-216-864-11 | SHORT | 0 | | (======= | R736 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R521 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W | R737 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W |
| R522 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | R738 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W |
| R523 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | R739 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W |
| NJZJ | 1-210-045-11 | METAL UNIF | TOOK | J /0 | 1/1000 | n/39 | 1-210-029-11 | WEIAL UNIF | 4.7 K | J /0 | 1/1000 |
| R524 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | R740 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W |
| R525 | 1-216-853-11 | METAL CHIP | 470K | 5% | 1/16W | R741 | 1-216-037-00 | METAL CHIP | 330 | 5% | 1/10W |
| R526 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/16W | R742 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W |
| R527 | 1-216-793-11 | RES-CHIP | 4.7 | 5% | 1/16W | R743 | 1-216-833-11 | | 10K | 5% | 1/16W |
| R530 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | R744 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| | | | | 2,0 | ., . • • • | | | 0 | | 270 | ., . • • • |
| R531 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | R745 | 1-216-005-00 | METAL CHIP | 15 | 5% | 1/10W |
| R532 | 1-216-864-11 | | 0 | | • | | | - | | | |
| | | - | - | | | | | | | | |

MAIN

SERVO

| 1.746 1.216-0005-00 METAL CHIP 15 5% 1/10W C305 1-162-282-11 CERAMIC CHIP 0.022uF 10% 50V 7474 1.216-0005-00 METAL CHIP 15 5% 1/10W C305 1-162-282-11 CERAMIC CHIP 0.012uF 10% 50V 7474 1.216-0005-00 METAL CHIP 15 5% 1/10W C305 1-162-282-11 CERAMIC CHIP 0.010uF 10% 50V 7474 1.216-0005-00 METAL CHIP 15 5% 1/10W C307 1-162-282-11 CERAMIC CHIP 0.010uF 10% 50V 7475 1.216-0005-00 METAL CHIP 15 5% 1/10W C307 1-162-282-11 CERAMIC CHIP 0.010uF 10% 50V 7475 1.216-0005-00 METAL CHIP 15 5% 1/10W C308 1-162-282-11 CERAMIC CHIP 0.010uF 10% 6.3V | Ref. No. | Part No. | Description | | | Remark | Ref. No. | Part No. | Description | | | Remark |
|--|----------|--------------|--------------------|------------|-------------|----------|----------|---------------|----------------|----------|--------|--------|
| R749 | | | · · | 4.5 | 5 0/ | | | | <u> </u> | 0.000 5 | 100/ | |
| R749 | | | | | | | | | | | | |
| R759 | | | | | | | | | | | | |
| R750 | | | | | | | | | | | | |
| R801 1-216-829-11 METAL CHIP 4.7K 5% 1/16W R802 1-216-839-11 METAL CHIP 10K 5% 1/16W C310 1-125-838-11 CERAMIC CHIP 2.2µ 10% 63V R803 1-216-831-11 METAL CHIP 470 5% 1/16W C311 1-164-376-11 CERAMIC CHIP 0.1µ 16V 16V R804 1-216-864-11 METAL CHIP 470 5% 1/16W C311 1-164-360-11 CERAMIC CHIP 0.1µ 16V 16V R813 1-216-864-11 SHORT 0 C502 1-162-965-11 CERAMIC CHIP 0.01µ 16V 16V C503 1-162-961-11 CERAMIC CHIP 0.01µ 16V 16V C504 1-162-961-11 CERAMIC CHIP 0.003µ 10% 16V C505 1-162-965-11 CERAMIC CHIP 0.003µ 10% 16V C505 C506 C507 C508 C5 | | | | | | | | | | | | |
| R802 | R750 | 1-216-005-00 | METAL CHIP | 15 | 5% | 1/10W | C308 | 1-162-962-11 | CERAMIC CHIP | 470PF | 10% | 50V |
| R803 | R801 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/16W | C309 | 1-164-227-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| R806 1-216-835-11 METAL CHIP 470 5% 1/16W C501 1-164-390-11 CERAMIC CHIP 0.10F 6.3V | R802 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W | C310 | 1-125-838-11 | CERAMIC CHIP | 2.2uF | 10% | 6.3V |
| R805 1-216-825-11 METAL CHIP 2.2K 5% 1/16W C501 1-126-391-11 ELECT CHIP 47uF 20% 6.3V | R803 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | C311 | 1-164-677-11 | CERAMIC CHIP | 0.033uF | 10% | 16V |
| R806 1-216-884-11 SHORT 0 | R804 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/16W | C312 | 1-164-360-11 | CERAMIC CHIP | 0.1uF | | 16V |
| R813 1-216-815-11 METAL CHIP 330 5% 1/16W (CA860X) C6506 1-166-76-11 CERAMIC CHIP 0.047uF 10% 16V C506 1-161-78-23-11 CERAMIC CHIP 0.047uF 10% 16V C506 1-161-78-23-11 CERAMIC CHIP 0.047uF 10% 16V C507 1-107-825-11 CERAMIC CHIP 0.10uF 5% 50V C510 1-104-217-11 CERAMIC CHIP 0.10uF 5% 50V C510 1-104-217-11 CERAMIC CHIP 0.10uF 5% 50V C514 1-126-391-11 CERAMIC CHIP 0.040F 0.04 | R805 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/16W | C501 | 1-126-391-11 | ELECT CHIP | 47uF | 20% | 6.3V |
| CASBOX CS05 | R806 | 1-216-864-11 | SHORT | 0 | | | C502 | 1-162-965-11 | CERAMIC CHIP | 0.0015uF | 10% | 50V |
| C506 1-107-823-11 CERAMIC CHIP 0.47uF 10% 16V | R813 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/16W | C504 | 1-162-967-11 | CERAMIC CHIP | 0.0033uF | 10% | 50V |
| C506 1-107-823-11 CERAMIC CHIP 0.47uF 10% 16V | | | | | | (CA860X) | C505 | 1-165-176-11 | CERAMIC CHIP | 0.047uF | 10% | 16V |
| S101 | | | | | | , | C506 | 1-107-823-11 | CERAMIC CHIP | 0.47uF | 10% | 16V |
| 1-17-1-540-11 SWITCH, PUSH (1 KEY) (NOSE DET) C509 | | | < SWITCH > | | | | C507 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| 1-771-540-11 SWITCH, PUSH (1 KEY) (NOSE DET) C509 | \$101 | 1-692-431-21 | SWITCH TACTILE | F (RESET) | | | C508 | 1-164-230-11 | CERAMIC CHIP | 220PF | 5% | 50V |
| C510 | | | , | , | SE DET) | | | | | | 0 /0 | |
| THERMISTOR (POSITIVE) C511 | 0102 | 1771 340 11 | 00011011, 1 0011 (| i KLI) (NO | OL DL1) | | | | | | 5% | |
| TH101 | | | ∠ THERMISTOR (| POSITIVE) | _ | | | | | | | |
| TH101 | | | < THE THINIOTOTT (| 1 OUITIVE) | | | | | | | | |
| TH102 | TH101 | 1-810-940-11 | THERMISTOR PO | OSITIVE | | | 0312 | 1-102-303-11 | OLITAWIO OTIII | 00011 | 10 /0 | 30 V |
| TH601 | | | | | | | C513 | 1-162-963-11 | CERAMIC CHIP | 680PF | 10% | 50V |
| TUX201 A-3220-812-A TUNER UNIT (TUX-020) | | | | | | | | | | | | |
| TUX201 A-3220-812-A TUNER UNIT (TUX-020) | 111001 | 1 001 702 21 | THE HIMOTOR, TV | JOITIVE | | | | | | | 2070 | |
| TUX201 A-3220-812-A TUNER UNIT (TUX-020) C517 | | | < TUNER > | | | | | | | | | |
| TUX201 A-3220-812-A TUNER UNIT (TUX-020) | | | (TONEIT | | | | | | | | | |
| VIBRATOR VIBRATOR VIBRATOR CRYSTAL (4.332MHz) (CA850) C520 | TUX201 | A-3220-812-A | TUNER UNIT (TU | X-020) | | | 0017 | | | 0.141 | | |
| X201 | | | | | | | | | | | | |
| X201 | | | < VIBRATOR > | | | | | | | | | |
| X501 | | | | | | | | | | | | |
| X502 | | | · | ` | , , | A850) | | | | 0.1uF | | |
| X701 1-781-822-21 VIBRATOR, CERAMIC (18.432MHz) C550 1-164-360-11 CERAMIC CHIP 0.1 uF 16V C553 1-164-360-11 CERAMIC CHIP 0.1 uF 16V C554 1-164-360-11 CERAMIC CHIP 0.1 uF 16V C794-153-21 CERAMIC CHIP 0.1 uF 10V C794-163-295-11 CERAMIC CHIP 0.1 uF 10V C794-163-295-11 CERAMIC CHIP 0.1 uF 10V C794-163-295-11 C794-163-295 | | | | | | | C522 | 1-164-360-11 | CERAMIC CHIP | 0.1uF | | 16V |
| ************************************** | | | | • | , | | | | | | | |
| * A-3326-231-A SERVO BOARD, COMPLETE *********************************** | | | | | | | | | | | | |
| ** A-3326-231-A SERVO BOARD, COMPLETE *********************************** | ****** | ****** | ***** | ****** | ****** | ***** | | | | | | |
| *********************************** | | | 0501/0 00400 | | | | C554 | 1-164-360-11 | CERAMIC CHIP | 0.1uF | | 16V |
| CAPACITOR > CN1 1-764-616-12 HOUSING, CONNECTOR (PC BOARD) 30P CN2 1-794-153-21 CONNECTOR, FPC (ZIF) 16P CN3 1-104-609-11 ELECT CHIP 100uF 20% 4V C104 1-115-156-11 CERAMIC CHIP 1uF 10W C106 1-107-826-11 CERAMIC CHIP 1uF 10% 6.3V FB101 1-216-295-11 SHORT 0 FB102 1-216-295-11 SHORT 0 FB102 1-162-917-11 CERAMIC CHIP 1uF 10W C111 1-115-156-11 CERAMIC CHIP 1uF 10W C115 1-164-733-11 CERAMIC CHIP 1uF 10W C115 1-164-733-11 CERAMIC CHIP 820PF 10W 50W C116 1-165-128-11 CERAMIC CHIP 820PF 10W 50W C117 1-164-733-11 CERAMIC CHIP 820PF 10W 50W C118 1-164-360-11 CERAMIC CHIP 0.1uF 16W 10W C302 1-164-360-11 CERAMIC CHIP 0.1uF 16W C302 1-164-360-11 CERAMIC CHIP 0.1uF 10W C302 1-164-360-11 CERAMIC CHIP 0.1uF 10W C302 1-164-360-11 CERAMIC CHIP 0.1uF 1 | * | A-3326-231-A | | | | | | | < CONNECTOR > | | | |
| C101 1-115-156-11 CERAMIC CHIP 1uF 100uF 20% 4V C103 1-104-609-11 ELECT CHIP 100uF 20% 4V C104 1-115-156-11 CERAMIC CHIP 1uF 10W C106 1-107-826-11 CERAMIC CHIP 0.1uF 10W 6.3V C107 1-125-837-11 CERAMIC CHIP 1uF 10% 6.3V C108 1-162-974-11 CERAMIC CHIP 0.01uF 50W C109 1-162-917-11 CERAMIC CHIP 1uF 10W C111 1-115-156-11 CERAMIC CHIP 1uF 10W C115 1-164-733-11 CERAMIC CHIP 0.22uF 16W 16W C116 1-165-128-11 CERAMIC CHIP 0.22uF 16W 16W C117 1-164-733-11 CERAMIC CHIP 0.22uF 16W 16W C118 1-164-360-11 CERAMIC CHIP 0.1uF 16W C301 1-126-393-11 ELECT CHIP 33uF 20% 10W C301 1-126-393-11 ELECT CHIP 33uF 20% 10W C302 1-164-360-11 CERAMIC CHIP 0.1uF 16W C302 1-164-360-11 CERAMIC CHIP 0.1uF 10W C302 1-16 | | | | | | | | | | | | |
| C101 1-115-156-11 CERAMIC CHIP 1UF 10V CN3 1-770-347-21 CONNECTOR, FPC 6P C103 1-104-609-11 ELECT CHIP 100uF 20% 4V C104 1-115-156-11 CERAMIC CHIP 1UF 10V C106 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V C107 1-125-837-11 CERAMIC CHIP 1uF 10% 6.3V FB101 1-216-295-11 SHORT 0 C108 1-162-974-11 CERAMIC CHIP 15PF 5% 50V C109 1-162-917-11 CERAMIC CHIP 15PF 5% 50V C111 1-115-156-11 CERAMIC CHIP 1UF 10V C115 1-164-733-11 CERAMIC CHIP 0.22uF 16V C116 1-165-128-11 CERAMIC CHIP 0.22uF 16V C117 1-164-733-11 CERAMIC CHIP 0.1uF 16V C118 1-164-360-11 CERAMIC CHIP 0.1uF 16V C119 1-164-360-11 CERAMIC CHIP 0.1uF 16V C110 1-164-393-11 ELECT CHIP 0.1uF 16V C111 1-164-360-11 CERAMIC CHIP 0.1uF 16V C302 1-164-360-11 CERAMIC CHIP 0.1uF 16V C304 CERAMIC CHIP 0.1uF 16V C305 CERAMIC CHIP 0.1uF 16V C306 CERAMIC CHIP 0.1uF 16V C307 CERAMIC CHIP 0.1uF 16V C308 CERAMIC CHIP 0.1uF 16V C309 CERAMIC CHIP 0.1uF 10V | | | < CAPACITOR > | | | | CN1 | | | | BOARD) | 30P |
| C103 | | | | | | | | | | | | |
| C104 1-115-156-11 CERAMIC CHIP 1uF 10V | | | | 1uF | | | CN3 | 1-770-347-21 | CONNECTOR, FP | C 6P | | |
| C106 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V C107 1-125-837-11 CERAMIC CHIP 1uF 10% 6.3V FB101 1-216-295-11 SHORT 0 FB102 1-216-295-11 SHORT 0 | | | | | 20% | | | | | | | |
| C107 1-125-837-11 CERAMIC CHIP 1uF 10% 6.3V FB101 1-216-295-11 SHORT 0 C108 1-162-974-11 CERAMIC CHIP 0.01uF 50V FB503 1-216-295-11 SHORT 0 C109 1-162-917-11 CERAMIC CHIP 15PF 5% 50V C111 1-115-156-11 CERAMIC CHIP 1uF 10V < IC > C115 1-164-733-11 CERAMIC CHIP 820PF 10% 50V C116 1-165-128-11 CERAMIC CHIP 0.22uF 16V IC1 8-752-095-36 IC CXA2596M-T6 IC5 8-752-914-87 IC CXP84640-072Q C117 1-164-733-11 CERAMIC CHIP 820PF 10% 50V IC7 8-759-832-99 IC LA6576L-TE-L C118 1-164-360-11 CERAMIC CHIP 0.1uF 16V IC501 8-752-392-04 IC CXD2598Q C127 1-104-851-11 TANTAL. CHIP 10uF 20% 10V C301 1-126-393-11 ELECT CHIP 33uF 20% 10V C302 1-164-360-11 CERAMIC CHIP 0.1uF 16V JR501 1-216-295-11 SHORT 0 | | | | | | | | | < JUMPER RESIS | STOR > | | |
| C108 | | | | | | | | | | | | |
| C108 | C107 | 1-125-837-11 | CERAMIC CHIP | 1uF | 10% | 6.3V | | | | | | |
| C109 1-162-917-11 CERAMIC CHIP 15PF 5% 50V C111 1-115-156-11 CERAMIC CHIP 1uF 10V < IC > C115 1-164-733-11 CERAMIC CHIP 820PF 10% 50V C116 1-165-128-11 CERAMIC CHIP 0.22uF 16V IC1 8-752-095-36 IC CXA2596M-T6 IC5 8-752-914-87 IC CXP84640-072Q C117 1-164-733-11 CERAMIC CHIP 820PF 10% 50V IC7 8-759-832-99 IC LA6576L-TE-L C118 1-164-360-11 CERAMIC CHIP 0.1uF 16V IC501 8-752-392-04 IC CXD2598Q C127 1-104-851-11 TANTAL. CHIP 10uF 20% 10V C301 1-126-393-11 ELECT CHIP 33uF 20% 10V C302 1-164-360-11 CERAMIC CHIP 0.1uF 16V JR501 1-216-295-11 SHORT 0 | | | | | | | | | | | | |
| C111 1-115-156-11 CERAMIC CHIP 1uF 10V | | | | | | | FB503 | 1-216-295-11 | SHORT | 0 | | |
| C115 1-164-733-11 CERAMIC CHIP 820PF 10% 50V C116 1-165-128-11 CERAMIC CHIP 0.22uF 16V IC1 8-752-095-36 IC CXA2596M-T6 IC5 8-752-914-87 IC CXP84640-072Q C117 1-164-733-11 CERAMIC CHIP 820PF 10% 50V IC7 8-759-832-99 IC LA6576L-TE-L C118 1-164-360-11 CERAMIC CHIP 0.1uF 16V IC501 8-752-392-04 IC CXD2598Q C127 1-104-851-11 TANTAL. CHIP 10uF 20% 10V C301 1-126-393-11 ELECT CHIP 33uF 20% 10V C302 1-164-360-11 CERAMIC CHIP 0.1uF 16V JR501 1-216-295-11 SHORT 0 | | | | | 5% | | | | | | | |
| C116 1-165-128-11 CERAMIC CHIP 0.22uF 16V IC1 8-752-095-36 IC CXA2596M-T6 IC5 8-752-914-87 IC CXP84640-072Q C117 1-164-733-11 CERAMIC CHIP 820PF 10% 50V IC7 8-759-832-99 IC LA6576L-TE-L C118 1-164-360-11 CERAMIC CHIP 0.1uF 16V IC501 8-752-392-04 IC CXD2598Q C127 1-104-851-11 TANTAL. CHIP 10uF 20% 10V C301 1-126-393-11 ELECT CHIP 33uF 20% 10V C302 1-164-360-11 CERAMIC CHIP 0.1uF 16V JR501 1-216-295-11 SHORT 0 | | | | | | | | | < IC > | | | |
| C117 1-164-733-11 CERAMIC CHIP 820PF 10% 50V 1C7 8-752-832-99 IC LA6576L-TE-L 1C501 8-752-392-04 IC CXD2598Q 1C CXD259Q 1C CXD2598Q 1C CXD259Q 1C CXD2598Q 1C CXD259Q 1C CXD259Q 1C CXD259Q 1C CXD259Q | | | | | 10% | | | | | _ | | |
| C117 1-164-733-11 CERAMIC CHIP 820PF 10% 50V | C116 | 1-165-128-11 | CERAMIC CHIP | 0.22uF | | 16V | | | | | | |
| C118 1-164-360-11 CERAMIC CHIP 0.1uF 16V 1C501 8-752-392-04 IC CXD2598Q 1C727 1-104-851-11 TANTAL. CHIP 10uF 20% 10V 20% 10V 33uF 20% 10V 33uF 20% 10V 3002 1-164-360-11 CERAMIC CHIP 0.1uF 16V JR501 1-216-295-11 SHORT 0 | C117 | 1-164-733-11 | CERAMIC CHIP | 820PF | 10% | 50V | | | | | | |
| C127 1-104-851-11 TANTAL. CHIP 10uF 20% 10V C301 1-126-393-11 ELECT CHIP 33uF 20% 10V C302 1-164-360-11 CERAMIC CHIP 0.1uF 16V JR501 1-216-295-11 SHORT 0 | | | | | . 5 /0 | | | | | _ | | |
| C301 1-126-393-11 ELECT CHIP 33uF 20% 10V < JUMPER RESISTOR > C302 1-164-360-11 CERAMIC CHIP 0.1uF 16V JR501 1-216-295-11 SHORT 0 | | | | | 20% | | | 5 . 52 552 64 | .c chbrood | | | |
| C302 1-164-360-11 CERAMIC CHIP 0.1uF 16V JR501 1-216-295-11 SHORT 0 | | | | | | | | | ∠.IIIMPFR RFQI | STOR > | | |
| JR501 1-216-295-11 SHORT 0 | | | | | _U /U | | | | COMIT LITTILOR | | | |
| | 000L | | 5_10 mm 0 01ml | J. 1 d1 | | | JR501 | 1-216-295-11 | SHORT | 0 | | |
| | C303 | 1-164-227-11 | CERAMIC CHIP | 0.022uF | 10% | 25V | | | | | | |

SERVO

SUB

SUB (CD)

| READY 1-216-86-11 SHORT 0 | Ref. No. | Part No. | <u>Description</u> | | | <u>Remark</u> | Ref. No. | Part No. | <u>Description</u> | | | <u>Remark</u> |
|--|----------|--------------|--------------------|------------|--------|---------------|----------|--------------|--------------------|-------------|----------|---------------|
| *** TRANSISTOR > **** CRANSISTOR **** CRESISTOR > *** CRESISTOR > **** CRE | IDEOG | 1 016 06/ 11 | CHUDT | 0 | | | D517 | 1 016 007 11 | METAL CHID | 221/ | E0/ | 1/16\// |
| Career C | JH300 | 1-210-004-11 | SHUNI | U | | | | | _ | | | |
| RESISTOR | | | TDANGIOTO | _ | | | 1 | | | | | |
| R-729-904-97 TRANSISTOR 2581197K-T-146-R R-729-904-97 TRANSISTOR 2581197K-T-146-R R-729-904-97 TRANSISTOR 2581197K-T-146-R R-729-904-97 R-7216-847-11 METAL CHIP 12K 5% 1/16W R-7216-847-11 METAL CHIP 12K 5% 1/16W R-7216-847-11 METAL CHIP 10K 5% 1/16W R-7216-847-11 | | | < TRANSISTU | ₹> | | | | | | | | |
| RESISTOR | | | | | | | | | | | | |
| R101 | Q101 | 8-729-904-87 | TRANSISTOR | 2SB1197K-T | -146-R | | R521 | 1-216-834-11 | METAL CHIP | 12K | 5% | 1/16W |
| R101 1-216-847-11 METAL CHIP 150K 5% 1/16W R102 1-216-845-11 METAL CHIP 100K 5% 1/16W R103 1-216-801-11 METAL CHIP 100K 5% 1/16W R103 1-216-831-11 METAL CHIP 100K 5% 1/16W R103 1-216-831-11 METAL CHIP 100K 5% 1/16W R105 1-216-831-11 METAL CHIP 10K 5% 1/16W R105 1-216-831-1 METAL CHIP 10K 5% 1/16W R103 1-216-835-11 METAL CHIP 27K 5% 1/16W R533 1-216-845-11 METAL CHIP 10K 5% 1/16W R103 1-216-835-11 METAL CHIP 27K 5% 1/16W R535 1-216-845-11 METAL CHIP 47K 5% 1/16W R101 1-216-833-11 METAL CHIP 56K 5% 1/16W R555 1-216-845-11 METAL CHIP 10K 5% 1/16W R103 1-216-835-11 METAL CHIP 10K 5% 1/16W R103 1-216-833-11 METAL CHIP 10K 5 | | | < RESISTOR > | | | | 1 | | | | | |
| R102 -2:16-847-11 METAL CHIP 150K 5% 1/16W R526 1-2:16-845-11 METAL CHIP 100K 5% 1/16W R101 -12:16-857-11 METAL CHIP 10K 5% 1/16W R527 -12:16-845-11 METAL CHIP 10K 5% 1/16W R531 -2:16-845-11 METAL CHIP 10DK 5% 1/16W R531 -2:16-845-11 METAL CHIP 27 5% 1/16W R531 -2:16-845-11 METAL CHIP 47K 5% 1/16W R531 -2:16-845-11 METAL CHIP 33K 5% 1/16W R532 -2:16-845-11 METAL CHIP 47K 5% 1/16W R532 -2:16-845-11 METAL CHIP 47K 5% 1/16W R532 -2:16-845-11 METAL CHIP 10DK 5% 1/16W R532 -2:16-845-11 METAL CHIP 10DK 5% 1/16W R532 -2:16-845-11 METAL CHIP 10DK 5% 1/16W R534 -2:16-845-11 METAL CHIP 10DK 5% 1/16W R534 -2:16-845-11 METAL CHIP 10DK 5% 1/16W R534 -2:16-845-11 METAL CHIP 10DK 5% 1/16W R535 -2:16-845-11 METAL CHIP 10DK 5% 1/16W R534 -2:16-845- | | | | | | | 1 | | | | | |
| R104 -216-801-11 METAL CHIP 10K 5% 1/16W R50 1-216-83-11 METAL CHIP 27K 5% 1/16W R50 1-216-841-11 METAL CHIP 47K 5% 1/16W R50 1-216-841-11 METAL CHIP 10K 5% 1/16W R50 1-216-831-11 METAL CHIP 10K | | | METAL CHIP | | | | 1 | 1-216-845-11 | | | 5% | |
| R105 -1216-833-11 METAL CHIP 10K 5% 1/16W R531 1-216-809-11 METAL CHIP 100K 5% 1/16W R531 1-216-845-11 METAL CHIP 10K 5% 1/16W R531 1-216-845- | | 1-216-847-11 | | | | | | 1-216-845-11 | METAL CHIP | | | |
| R105 | | | | 22 | 5% | | R527 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R106 | R104 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/16W | | | | | | |
| R102 -2:16-835-11 METAL CHIP 1M 5% 17:16W R533 1-2:16-845-11 METAL CHIP 100K 5% 17:16W R551 1-2:16-845-11 METAL CHIP 100K 5% 17:16W R551 1-2:16-845-11 METAL CHIP 27K 5% 17:16W R551 1-2:16-845-11 METAL CHIP 47K 5% 17:16W R551 1-2:16-845-11 METAL CHIP 10K 5% 17:16W R552 1-2:16-845-11 METAL CHIP 10K 5% 17:16W R553 1-2:16-845-11 METAL CHIP 10K 5% 17:16W R554 1-2:16-845-11 METAL CHIP 10K 5% 17:16W R563 1-2:16-830-11 METAL CHIP 10K 5% 17:16W R593 1-2:16-830-11 METAL | R105 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W | R531 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W |
| R102 1-216-838-11 METAL CHIP 15K 5% 1/16W R109 1-216-838-11 METAL CHIP 27K 5% 1/16W R109 1-216-838-11 METAL CHIP 22 5% 1/16W R551 1-216-841-11 METAL CHIP 47K 5% 1/16W R551 1-216-841-11 METAL CHIP 47K 5% 1/16W R553 1-216-845-11 METAL CHIP 100K 5% 1/16W R554 1-216-845-11 METAL CHIP 100K 5% 1/16W R564 1-216-845-11 METAL CHIP 100K 5% 1/16W R564 1-216-845-11 METAL CHIP 10X 5% 1/16W R569 1-216-809-11 METAL CHIP 10X 5% 1/16W R569 1-216-845-11 METAL CHIP | | | | | | | R532 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R108 | R106 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/16W | R533 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W |
| R110 | | 1-216-835-11 | | 15K | | 1/16W | 1 | 1-216-845-11 | METAL CHIP | 100K | | 1/16W |
| R110 | | | | | | | R551 | | | | | |
| R110 | | | | | | | 1.001 | | | | • 70 | ., |
| R111 1-216-842-11 METAL CHIP 56K 5% 1/16W R133 1-216-839-11 METAL CHIP 10K 5% 1/16W R134 1-216-839-11 METAL CHIP 10K 5% 1/16W R555 1-216-845-11 METAL CHIP 10K 5% 1/16W R558 1-216-845-11 METAL CHIP 10K 5% 1/16W R558 1-216-845-11 METAL CHIP 10K 5% 1/16W R558 1-216-864-11 METAL CHIP 10K 5% 1/16W R558 1-216-864-11 METAL CHIP 10K 5% 1/16W R569 1-216-809-11 METAL CHIP 10C 5% 1/16W R572 1-216-809-11 METAL CHIP 10C 5% 1/16W R590 1-216-809-11 METAL CHIP 10C 5% 1/16W R591 1-216-809-11 METAL CHIP 10C 5% | | | | | | | R552 | 1-216-841-11 | METAL CHIP | 47 K | 5% | 1/16W/ |
| R113 | 11110 | 1 210 040 11 | WEIAL OITH | OOK | 3 /0 | 1/1000 | 1 | | | | | |
| R112 1-216-839-11 METAL CHIP 33K 5% 1/16W R555 1-216-845-11 METAL CHIP 10K 5% 1/16W R122 1-216-839-11 METAL CHIP 33K 5% 1/16W R560 1-216-809-11 METAL CHIP 100 5% 1/16W R561 1-216-809-11 METAL CHIP 100 5% 1/16W R562 1-216-809-11 METAL CHIP 100 5% 1/16W R562 1-216-809-11 METAL CHIP 100 5% 1/16W R563 1-216-809-11 METAL CHIP 10K 5% 1/16W R569 1-216-809-11 METAL CHIP 10K 5% 1/16W R570 1-216-809-11 METAL CHIP 10K 5% 1/16W R590 1-216-809-11 METAL CHIP 10K 5% | D111 | 1 016 040 11 | METAL CHID | 56V | E0/ | 1/16\\\ | 1 | | | | | |
| R122 1-216-845-11 METAL CHIP 100K 5% 1/16W R569 1-216-839-11 METAL CHIP 10K 5% 1/16W R560 1-216-809-11 METAL CHIP 10K 5% 1/16W R560 1-216-809-11 METAL CHIP 10K 5% 1/16W R560 1-216-809-11 METAL CHIP 10K 5% 1/16W R560 1-216-845-11 METAL CHIP 10K 5% 1/16W R569 1-216-845-11 METAL CHIP 10K 5% 1/16W R569 1-216-845-11 METAL CHIP 2ZK 5% 1/16W R569 1-216-809-11 METAL CHIP 10K 5% 1/16W R569 1-216-809-11 METAL CHIP 10K 5% 1/16W R569 1-216-809-11 METAL CHIP 10K 5% 1/16W R572 1-216-809-11 METAL CHIP 10K 5% 1/16W R572 1-216-809-11 METAL CHIP 10K 5% 1/16W R572 1-216-809-11 METAL CHIP 10K 5% 1/16W R594 1-216-833-11 METAL CHIP 10K 5% 1/16W R594 1-216-845-11 METAL CHIP 10K 5% 1/16W R594 1-216-845-11 METAL CHIP 10K 5% 1/16W R595 1-216-845-11 METAL CHIP 10K 5% | | | | | | | 1 | | | | | |
| R127 1-216-839-11 METAL CHIP 33K 5% 1/16W R563 1-216-809-11 METAL CHIP 100 5% 1/16W R503 1-216-839-11 METAL CHIP 33K 5% 1/16W R568 1-216-809-11 METAL CHIP 100 5% 1/16W R503 1-216-839-11 METAL CHIP 33K 5% 1/16W R569 1-216-809-11 METAL CHIP 100 5% 1/16W R503 1-216-839-11 METAL CHIP 10 5% 1/16W R503 1-216-833-11 METAL CHIP 10K 5% 1/16W R509 1-216-845-11 METAL CHIP 100 5% 1/16W R509 1-216-845-11 METAL CHIP 10K 5% 1/16W R509 1-216-845-11 METAL CHIP 56K 5 | | | | | | | | | | | 5% | 1/1600 |
| R127 1-216-821-11 METAL CHIP 1K 5% 1/16W R560 1-216-809-11 METAL CHIP 100 5% 1/16W R501 1-216-849-11 METAL CHIP 100 5% 1/16W R501 1-216-849-11 METAL CHIP 100K 5% 1/16W R503 1-216-821-11 METAL CHIP 33K 5% 1/16W R568 1-216-839-11 METAL CHIP 2ZK 5% 1/16W R503 1-216-829-11 METAL CHIP 10K 5% 1/16W R504 1-216-839-11 METAL CHIP 10K 5% 1/16W R504 1-216-839-11 METAL CHIP 10K 5% 1/16W R509 1-216-845-11 METAL CHIP 56K 5% 1/16W R509 1-216-845-11 METAL CHIP 56K 5% 1/16W R509 1-216-833-11 METAL CHIP 56K 5% 1/16W R501 1-216-833-11 METAL CHIP 56K 5% | | | | | | | R558 | 1-216-864-11 | SHURI | U | | |
| R213 | | | | | | | | | | | | |
| R213 | R127 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | 1 | | | | | |
| R301 1-216-843-11 METAL CHIP 68K 5% 1/16W R568 1-216-837-11 METAL CHIP 22K 5% 1/16W R509 1-216-839-11 METAL CHIP 1K 5% 1/16W R570 1-216-821-11 METAL CHIP 10 5% 1/16W R570 1-216-821-11 METAL CHIP 10 5% 1/16W R570 1-216-833-11 METAL CHIP 10K 5% 1/16W R590 1-216-845-11 METAL CHIP 10K 5% 1/16W R590 1-216-845-11 METAL CHIP 10K 5% 1/16W R590 1-216-845-11 METAL CHIP 10K 5% 1/16W R591 1-216-842-11 METAL CHIP 10K 5% 1/16W R591 1-216-842-11 METAL CHIP 10K 5% 1/16W R591 1-216-842-11 METAL CHIP 56K 5% 1/16W R591 1-216-842-11 METAL CHIP 56K 5% 1/16W R591 1-216-843-11 METAL CHIP 56K 5% 1/16W R591 1-216-845-11 METAL CHIP 56K 5% 1/16W R591 1-216-845-11 METAL CHIP 10K 5% 1/1 | | | | | | | 1 | | | | | |
| R302 1-216-839-11 METAL CHIP 33K 5% 1/16W R509 1-216-809-11 METAL CHIP 100 5% 1/16W R504 1-216-821-11 METAL CHIP 10K 5% 1/16W R572 1-216-809-11 METAL CHIP 10K 5% 1/16W R572 1-216-809-11 METAL CHIP 10K 5% 1/16W R500 1-216-845-11 METAL CHIP 10K 5% 1/16W R590 1-216-845-11 METAL CHIP 10K 5% 1/16W R591 1-216-845-11 METAL CHIP 10K 5% 1/16W R592 1-216-845-11 METAL CHIP 10K 5% 1/16W R593 1-216-845-11 METAL CHIP 10K 5% 1/16W R594 1-216-845-11 METAL CHIP 10K 5% 1/16W R595 1-216-845-11 METAL CHIP 56K 5% 1/16W R595 1-216-842-11 METAL CHIP 56K 5% 1/16W R595 1-216-842-11 METAL CHIP 56K 5% 1/16W R596 1-216-842-11 METAL CHIP 10K 5% | | | METAL CHIP | | | | R564 | | | | 5% | |
| R303 1-216-821-11 METAL CHIP 1K 5% 1/16W R504 1-216-821-11 METAL CHIP 33K 5% 1/16W R507 1-216-801-11 METAL CHIP 10K 5% 1/16W R508 1-216-801-11 METAL CHIP 10K 5% 1/16W R509 1-216-801-11 METAL CHIP 56K 5% 1/16W R509 1-216-801-11 METAL CHIP 10K 5% 1/16W R509 1-216-801-11 METAL CHIP 10 | R301 | 1-216-843-11 | METAL CHIP | | 5% | 1/16W | R568 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/16W |
| R304 1-216-839-11 METAL CHIP 33K 5% 1/16W R570 1-216-821-11 METAL CHIP 10K 5% 1/16W R570 1-216-833-11 METAL CHIP 10K 5% 1/16W R570 1-216-833-11 METAL CHIP 10K 5% 1/16W R590 1-216-845-11 METAL CHIP 100K 5% 1/16W R308 1-216-833-11 METAL CHIP 10K 5% 1/16W R590 1-216-845-11 METAL CHIP 100K 5% 1/16W R309 1-216-833-11 METAL CHIP 10K 5% 1/16W R591 1-216-845-11 METAL CHIP 100K 5% 1/16W R591 1-216-845-11 METAL CHIP 100K 5% 1/16W R591 1-216-845-11 METAL CHIP 10K 5% 1/16W R592 1-216-845-11 METAL CHIP 10K 5% 1/16W R593 1-216-845-11 METAL CHIP 10K 5 | R302 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/16W | R569 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W |
| R306 1-216-833-11 METAL CHIP 10K 5% 1/16W R590 1-216-845-11 METAL CHIP 10K 5% 1/16W R594 1-216-845-11 METAL CHIP 10K 5% 1/16W R594 1-216-845-11 METAL CHIP 10K 5% 1/16W R595 1-216-833-11 METAL CHIP 10K 5% 1/16W R595 1-216-833-11 METAL CHIP 10K 5% 1/16W R595 1-216-845-11 METAL CHIP 10K 5% 1/16W R595 1-216-833-11 METAL CHIP 10K 5% 1/16W R595 1-216-845-11 METAL CHIP 10K 5% 1/16W R596 1-216-842-11 METAL CHIP 10K 5% 1/16W R596 1-216-843-11 METAL CHIP 10K 5% 1/16W R596 1-216-845-11 METAL CHIP 10K 5% 1/16W R596 1-216-845-11 METAL CHIP 10K 5% 1/16W R596 1-216-833-11 METAL CHIP 10K 5% 1/16W R596 1-216-835-11 METAL CHIP 10K 5% | R303 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W | | | | | | |
| R306 | R304 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/16W | R570 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/16W |
| R306 | | | | | | | R572 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/16W |
| R307 1-216-833-11 METAL CHIP 10K 5% 1/16W R308 1-216-833-11 METAL CHIP 10K 5% 1/16W R309 1-216-833-11 METAL CHIP 10K 5% 1/16W R310 1-216-833-11 METAL CHIP 10K 5% 1/16W R310 1-216-833-11 METAL CHIP 10K 5% 1/16W R311 1-216-833-11 METAL CHIP 10K 5% 1/16W R312 1-216-845-11 METAL CHIP 10K 5% 1/16W R313 1-216-842-11 METAL CHIP 56K 5% 1/16W R313 1-216-842-11 METAL CHIP 56K 5% 1/16W R314 1-216-842-11 METAL CHIP 56K 5% 1/16W R315 1-216-842-11 METAL CHIP 56K 5% 1/16W R316 1-216-842-11 METAL CHIP 56K 5% 1/16W R318 1-216-842-11 METAL CHIP 56K 5% 1/16W R318 1-216-842-11 METAL CHIP 56K 5% 1/16W R319 1-216-833-11 METAL CHIP 56K 5% 1/16W R319 1-216-842-11 METAL CHIP 56K 5% 1/16W R319 1-216-842-11 METAL CHIP 56K 5% 1/16W R319 1-216-842-11 METAL CHIP 56K 5% 1/16W R320 1-216-833-11 METAL CHIP 10K 5% 1/16W R321 1-216-845-11 METAL CHIP 10K 5% 1/16W R321 1-216-845-11 METAL CHIP 10K 5% 1/16W R501 1-216-833-11 METAL CHIP 10K 5% 1/16W R501 1-216-845-11 METAL CHIP 10K 5% | B306 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W | 1 | | | | | |
| R308 1-216-833-11 METAL CHIP 10K 5% 1/16W R309 1-216-833-11 METAL CHIP 10K 5% 1/16W R310 1-216-833-11 METAL CHIP 10K 5% 1/16W R599 1-216-821-11 METAL CHIP 1K 5% 1/16W R599 1-216-821-11 METAL CHIP 10K 5% 1/16W R2 1-781-759-21 VIBRATOR, CERAMIC (CHIP TYPE) (10MHz) R313 1-216-842-11 METAL CHIP 56K 5% 1/16W R315 1-216-842-11 METAL CHIP 56K 5% 1/16W R319 1-216-842-11 METAL CHIP 56K 5% 1/16W R319 1-216-842-11 METAL CHIP 56K 5% 1/16W R319 1-216-842-11 METAL CHIP 56K 5% 1/16W R320 1-216-843-11 METAL CHIP 10K 5% 1/16W R501 1-216-833-11 METAL CHIP 10K 5% 1/16W R501 1-216-845-11 METAL CHIP | | | | | | | 1 | | | | | |
| R309 1-216-833-11 METAL CHIP 10K 5% 1/16W R599 1-216-821-11 METAL CHIP 1K 5% 1/16W R599 1-216-821-11 METAL CHIP 1K 5% 1/16W R599 1-216-821-11 METAL CHIP 1K 5% 1/16W R591 1-216-843-11 METAL CHIP 10K 5% 1/16W X1 1-781-758-21 VIBRATOR CHAPTYPE) (10MHz) X2 1-781-759-21 VIBRATOR CERAMIC (CHIP TYPE) (10MHz) X2 1-781-759-21 VIBRATOR CERAMIC (CHIP TYPE) (16MHz) X3 1-216-842-11 METAL CHIP 56K 5% 1/16W X2 1-781-759-21 VIBRATOR CERAMIC (CHIP TYPE) (16MHz) X3 1-216-842-11 METAL CHIP 56K 5% 1/16W X2 1-781-759-21 VIBRATOR CERAMIC (CHIP TYPE) (16MHz) X3 1-216-842-11 METAL CHIP 56K 5% 1/16W X2 1-781-759-21 VIBRATOR CERAMIC (CHIP TYPE) (16MHz) X2 1-781-759-21 VIBRATOR CERAMIC (CHIP TYPE) (16MHz) X2 1-781-759-21 VIBRATOR CERAMIC (CHIP TYPE) (16MHz) X3 1-216-842-11 METAL CHIP 56K 5% 1/16W X3 1-369-834-11 SUB (CD) BOARD X3 X3 X3 X3 X3 X3 X3 X | | | | | | | | | | | | |
| R310 1-216-833-11 METAL CHIP 10K 5% 1/16W R599 1-216-821-11 METAL CHIP 1K 5% 1/16W R311 1-216-833-11 METAL CHIP 10K 5% 1/16W R313 1-216-842-11 METAL CHIP 56K 5% 1/16W X1 1-781-758-21 VIBRATOR, CERAMIC (CHIP TYPE) (10MHz) X2 1-781-759-21 VIBRATOR, CERAMIC (CHIP TYPE) (16MHz) X1 1-781-759-21 VIBRATOR, CERAMIC (CHIP TYPE) (16MHz) X2 1-781-759-21 VIBRATOR, CERAMIC (CHIP TYPE) (16MHz) X1 1-781-759-21 VIBRATOR, CERAMIC (CHIP TYPE) (16MHz) X2 1-781-759-21 VIBRATOR, CERAMIC (CHIP TYPE) (16MHz) X1 1-781-759-21 VIBRATOR, CERAMIC (CHIP TYPE) (16MHz) X1 1-781-759-21 VIBRATOR, CERAMIC (CHIP TYPE) (16MHz) X2 1-781-759-21 VIBRATOR, CERAMIC (CHIP TYPE) (16MHz) X1 1-781-759-21 VIBRATOR, CERAMIC (CHIP TYPE) (16MHz) X1 1-781-759-21 VIBRATOR, | | | | | | | 11000 | 1 210 010 11 | WEINE OIII | 10010 | 0 70 | 171000 |
| R311 1-216-845-11 METAL CHIP 10K 5% 1/16W R313 1-216-845-11 METAL CHIP 56K 5% 1/16W X1 1-781-758-21 VIBRATOR > R314 1-216-842-11 METAL CHIP 56K 5% 1/16W X2 1-781-759-21 VIBRATOR, CERAMIC (CHIP TYPE) (10MHz) X2 1-781-759-21 VIBRATOR, CERAMIC (CHIP TYPE) (10MHz) X2 1-781-759-21 VIBRATOR, CERAMIC (CHIP TYPE) (16MHz) X2 | | | | | | | P500 | 1_016_001_11 | METAL CHID | 11/ | 50/- | 1/16\// |
| R312 | | | | | | | 11099 | 1-210-021-11 | | IIX | J /0 | 1/1000 |
| R313 1-216-842-11 METAL CHIP 56K 5% 1/16W R314 1-216-842-11 METAL CHIP 56K 5% 1/16W R315 1-216-842-11 METAL CHIP 56K 5% 1/16W R315 1-216-842-11 METAL CHIP 56K 5% 1/16W R317 1-216-842-11 METAL CHIP 56K 5% 1/16W R318 1-216-842-11 METAL CHIP 56K 5% 1/16W R319 1-216-842-11 METAL CHIP 56K 5% 1/16W R320 1-216-833-11 METAL CHIP 56K 5% 1/16W R322 1-216-833-11 METAL CHIP 10K 5% 1/16W R322 1-216-833-11 METAL CHIP 10K 5% 1/16W R322 1-216-833-11 METAL CHIP 10K 5% 1/16W R320 1-216-833-11 METAL CHIP 10K 5% 1/16W R320 1-216-833-11 METAL CHIP 10K 5% 1/16W R321 1-216-835-11 METAL CHIP 10K 5% 1/16W R321 1-216-835-11 METAL CHIP 10K 5% 1/16W R321 1-216-835-11 METAL CHIP 10K 5% 1/16W R501 1-216-835-11 METAL CHIP 10K 5% 1/16W R501 1-216-845-11 METAL CHIP 1 | R311 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/16W | | | < VIBRATOR > | | | |
| R314 1-216-842-11 METAL CHIP 56K 5% 1/16W R315 1-216-842-11 METAL CHIP 56K 5% 1/16W R316 1-216-842-11 METAL CHIP 56K 5% 1/16W R317 1-216-833-11 METAL CHIP 56K 5% 1/16W R318 1-216-842-11 METAL CHIP 56K 5% 1/16W R319 1-216-842-11 METAL CHIP 56K 5% 1/16W R320 1-216-833-11 METAL CHIP 10K 5% 1/16W R321 1-216-845-11 METAL CHIP 10K 5% 1/16W R322 1-216-835-11 METAL CHIP 10K 5% 1/16W R503 1-216-835-11 METAL CHIP 10K 5% 1/16W R504 1-216-857-11 METAL CHIP 10M 5% 1/16W R505 1-216-837-11 METAL CHIP 10M 5% 1/16W R506 1-216-845-11 METAL CHIP 10M 5% 1/16W R507 1-216-845-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 100K 5% 1/16W R514 1-216-827-11 METAL CHIP 100K 5% 1/16W R515 1-216-827-11 METAL CHIP 100K 5% 1/16W R516 1-216-827-11 METAL CHIP 100K 5% 1/16W R517 1-216-827-11 METAL CHIP 100K 5% 1/16W R518 1-216-827-11 METAL CHIP 100K 5% 1/16W R519 1-216-827-11 METAL CHIP 100K 5% 1/16W R510 1-216-827-11 METAL CHIP 100K 5% 1/16W R511 1-216-827-11 METAL CHIP 100K 5% 1/16W R512 1-216-827-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 100K 5% 1/16W R510 1-216-827-11 METAL CHIP 100K 5% 1/16W R511 1-216-827-11 METAL CHIP 100K 5% 1/16W R512 1-216-827-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 100K 5% 1/16W R514 1-216-827-11 METAL CHIP 100K 5% 1/16W R515 1-216-827-11 METAL CHIP 100K 5% 1 | R312 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | | | | | | |
| R315 1-216-842-11 METAL CHIP 56K 5% 1/16W R316 1-216-842-11 METAL CHIP 56K 5% 1/16W R317 1-216-833-11 METAL CHIP 27K 5% 1/16W R318 1-216-842-11 METAL CHIP 56K 5% 1/16W R319 1-216-842-11 METAL CHIP 56K 5% 1/16W R320 1-216-833-11 METAL CHIP 10K 5% 1/16W R321 1-216-846-11 METAL CHIP 10K 5% 1/16W R322 1-216-833-11 METAL CHIP 15K 5% 1/16W R501 1-216-833-11 METAL CHIP 10K 5% 1/16W R501 1-216-833-11 METAL CHIP 10K 5% 1/16W R504 1-216-835-11 METAL CHIP 10W 5% 1/16W R505 1-216-839-11 METAL CHIP 10W 5% 1/16W R506 1-216-845-11 METAL CHIP 10W 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R507 1-216-845-11 METAL CHIP 100K 5% 1/16W R507 1-216-845-11 METAL CHIP 10W 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R511 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R511 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 2.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R513 1-26-827-11 METAL CHIP 3.3K 5% 1/16W R513 1-26-827-11 METAL CHIP 3.3K 5% 1/16W R514 CHIP 2.20PF 10% 50V | R313 | 1-216-842-11 | METAL CHIP | 56K | 5% | 1/16W | X1 | 1-781-758-21 | VIBRATOR, CERA | MIC (CHIP | TYPE) (1 | 0MHz) |
| R316 1-216-842-11 METAL CHIP 56K 5% 1/16W R317 1-216-838-11 METAL CHIP 56K 5% 1/16W R319 1-216-842-11 METAL CHIP 56K 5% 1/16W R320 1-216-833-11 METAL CHIP 10K 5% 1/16W R322 1-216-835-11 METAL CHIP 15K 5% 1/16W R501 1-216-833-11 METAL CHIP 10K 5% 1/16W R503 1-216-845-11 METAL CHIP 10K 5% 1/16W R504 1-216-857-11 METAL CHIP 10K 5% 1/16W R504 1-216-857-11 METAL CHIP 10K 5% 1/16W R505 1-216-845-11 METAL CHIP 10K 5% 1/16W R506 1-216-857-11 METAL CHIP 10K 5% 1/16W R506 1-216-857-11 METAL CHIP 10K 5% 1/16W R507 1-216-845-11 METAL CHIP 100K 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R511 1-216-845-11 METAL CHIP 100K 5% 1/16W R511 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R511 1-216-845-11 METAL CHIP 100K 5% 1/16W R511 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R511 1-216-845-11 METAL CHIP 100K 5% | R314 | 1-216-842-11 | METAL CHIP | 56K | 5% | 1/16W | X2 | 1-781-759-21 | VIBRATOR, CERA | MIC (CHIP | TYPE) (1 | 6MHz) |
| R317 1-216-838-11 METAL CHIP 27K 5% 1/16W R318 1-216-842-11 METAL CHIP 56K 5% 1/16W R319 1-216-842-11 METAL CHIP 56K 5% 1/16W R320 1-216-833-11 METAL CHIP 10K 5% 1/16W R321 1-216-846-11 METAL CHIP 120K 5% 1/16W R322 1-216-835-11 METAL CHIP 15K 5% 1/16W R501 1-216-833-11 METAL CHIP 10K 5% 1/16W R503 1-216-845-11 METAL CHIP 10W 5% 1/16W R504 1-216-857-11 METAL CHIP 10M 5% 1/16W R505 1-216-839-11 METAL CHIP 10W 5% 1/16W R506 1-216-845-11 METAL CHIP 10W 5% 1/16W R507 1-216-845-11 METAL CHIP 33K 5% 1/16W R507 1-216-845-11 METAL CHIP 33K 5% 1/16W R507 1-216-845-11 METAL CHIP 100K 5% 1/16W R508 1-216-845-11 METAL CHIP 33K 5% 1/16W R509 1-216-845-11 METAL CHIP 10W 5% 1/16W R501 1-216-845-11 METAL CHIP 10W 5% 1/16W R503 1-216-845-11 METAL CHIP 33K 5% 1/16W R504 1-216-845-11 METAL CHIP 10W 5% 1/16W R505 1-216-845-11 METAL CHIP 33K 5% 1/16W R507 1-216-845-11 METAL CHIP 33K 5% 1/16W R508 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R509 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R501 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R503 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R504 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R505 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R506 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R508 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R509 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R | R315 | 1-216-842-11 | METAL CHIP | 56K | 5% | 1/16W | ****** | | | | | |
| R317 1-216-838-11 METAL CHIP 27K 5% 1/16W R318 1-216-842-11 METAL CHIP 56K 5% 1/16W R319 1-216-842-11 METAL CHIP 56K 5% 1/16W R320 1-216-833-11 METAL CHIP 10K 5% 1/16W R321 1-216-846-11 METAL CHIP 120K 5% 1/16W R322 1-216-835-11 METAL CHIP 15K 5% 1/16W R501 1-216-833-11 METAL CHIP 10K 5% 1/16W R503 1-216-845-11 METAL CHIP 10K 5% 1/16W R504 1-216-857-11 METAL CHIP 10M 5% 1/16W R505 1-216-839-11 METAL CHIP 10M 5% 1/16W R506 1-216-845-11 METAL CHIP 100K 5% 1/16W R507 1-216-845-11 METAL CHIP 33K 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 100K 5% 1/16W R514 1-246-827-11 METAL CHIP 100K 5% 1/16W R515 1-246-827-11 METAL CHIP 100K 5% 1/16W R516 1-246-827-11 METAL CHIP 100K 5% 1/16W R517 1-246-827-11 METAL CHIP 100K 5% 1/16W R518 1-246-827-11 METAL CHIP 100K 5 | R316 | 1-216-842-11 | METAL CHIP | 56K | 5% | 1/16W | * | 1-659-834-11 | SUB BOARD | | | |
| R318 | R317 | 1-216-838-11 | | 27K | 5% | 1/16W | | | ***** | | | |
| R319 1-216-842-11 METAL CHIP 56K 5% 1/16W R320 1-216-833-11 METAL CHIP 10K 5% 1/16W R321 1-216-846-11 METAL CHIP 120K 5% 1/16W R322 1-216-835-11 METAL CHIP 15K 5% 1/16W R501 1-216-833-11 METAL CHIP 10K 5% 1/16W R503 1-216-845-11 METAL CHIP 10K 5% 1/16W R504 1-216-857-11 METAL CHIP 1M 5% 1/16W R505 1-216-857-11 METAL CHIP 1M 5% 1/16W R506 1-216-845-11 METAL CHIP 100K 5% 1/16W R507 1-216-845-11 METAL CHIP 100K 5% 1/16W R508 1-216-845-11 METAL CHIP 100K 5% 1/16W R509 1-216-845-11 METAL CHIP 100K 5% 1/16W R509 1-216-827-11 METAL CHIP 100K 5% 1/16W R511 1-216-845-11 METAL CHIP 100K 5% 1/16W R511 1-216-845-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 100K 5% 1/16W R514 1-216-827-11 METAL CHIP 100K 5% 1/16W R515 1-162-960-11 CERAMIC CHIP 220PF 10% 50V | | | | | | | | | | | | |
| R320 1-216-833-11 METAL CHIP 10K 5% 1/16W R321 1-216-846-11 METAL CHIP 120K 5% 1/16W R322 1-216-835-11 METAL CHIP 15K 5% 1/16W R501 1-216-833-11 METAL CHIP 10K 5% 1/16W R503 1-216-845-11 METAL CHIP 10K 5% 1/16W R504 1-216-857-11 METAL CHIP 1M 5% 1/16W R505 1-216-839-11 METAL CHIP 10K 5% 1/16W R506 1-216-845-11 METAL CHIP 100K 5% 1/16W R507 1-216-845-11 METAL CHIP 100K 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R511 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R514 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R515 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R516 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R517 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R518 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R519 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R510 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R511 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R512 1-162-960-11 CERAMIC CHIP 220PF 10% 50V | | | | | | | | | < CONNECTOR > | | | |
| R321 1-216-846-11 METAL CHIP 120K 5% 1/16W R322 1-216-835-11 METAL CHIP 15K 5% 1/16W R501 1-216-833-11 METAL CHIP 10K 5% 1/16W R503 1-216-845-11 METAL CHIP 10K 5% 1/16W R504 1-216-857-11 METAL CHIP 1M 5% 1/16W R505 1-216-839-11 METAL CHIP 33K 5% 1/16W R506 1-216-845-11 METAL CHIP 100K 5% 1/16W R507 1-216-845-11 METAL CHIP 33K 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R508 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R509 1-216-827-11 METAL CHIP 3.3K 5% 1/16W | | | | | | | | | | | | |
| R321 1-216-846-11 METAL CHIP 120K 5% 1/16W R322 1-216-835-11 METAL CHIP 15K 5% 1/16W R501 1-216-833-11 METAL CHIP 10K 5% 1/16W R503 1-216-845-11 METAL CHIP 10K 5% 1/16W R504 1-216-857-11 METAL CHIP 1M 5% 1/16W R505 1-216-839-11 METAL CHIP 33K 5% 1/16W R506 1-216-845-11 METAL CHIP 100K 5% 1/16W R507 1-216-845-11 METAL CHIP 33K 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R511 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R514 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R515 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R516 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R517 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R518 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R519 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R510 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R517 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R518 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R519 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R519 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R510 1-216-827-11 METAL CHIP 3.3K 5% 1/16W | 11020 | 1 210 000 11 | MEI/IE OIIII | 1010 | 0 70 | 17 1000 | CN1 | 1-770-347-21 | CONNECTOR FP | C 6P | | |
| R322 1-216-835-11 METAL CHIP 15K 5% 1/16W R501 1-216-833-11 METAL CHIP 10K 5% 1/16W R503 1-216-845-11 METAL CHIP 10W 5% 1/16W R504 1-216-857-11 METAL CHIP 1M 5% 1/16W R505 1-216-839-11 METAL CHIP 33K 5% 1/16W R506 1-216-845-11 METAL CHIP 100K 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R508 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R509 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R501 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R502 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R503 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R504 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R505 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R507 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R509 1-216-827-11 METAL CHIP 3.3K 5% 1/16W | R321 | 1-216-846-11 | METAL CHIP | 120K | 5% | 1/16W/ | _ | | | | ****** | ******* |
| R501 1-216-833-11 METAL CHIP 10K 5% 1/16W | | | | | | | | | | | | |
| R503 1-216-845-11 METAL CHIP 100K 5% 1/16W R504 1-216-857-11 METAL CHIP 1M 5% 1/16W R505 1-216-839-11 METAL CHIP 33K 5% 1/16W R506 1-216-845-11 METAL CHIP 100K 5% 1/16W R507 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R514 CHIP 3.3K 5% 1/16W R515 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R516 CR52 1-162-960-11 CERAMIC CHIP 220PF 10% 50V CR53 1-162-960-11 CERAMIC CHIP 220PF 10% 50V | | | | | | | | 1 600 060 11 | CIID (CD) DOADE | ` | | |
| R504 1-216-857-11 METAL CHIP 1M 5% 1/16W R505 1-216-839-11 METAL CHIP 33K 5% 1/16W R506 1-216-845-11 METAL CHIP 100K 5% 1/16W R507 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R511 1-216-845-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R514 C852 1-162-960-11 CERAMIC CHIP 220PF 10% 50V C853 1-162-960-11 CERAMIC CHIP 220PF 10% 50V | | | | | | | ** | 1-000-000-11 | ` ' | | | |
| R505 1-216-839-11 METAL CHIP 33K 5% 1/16W 8506 1-216-845-11 METAL CHIP 100K 5% 1/16W 8507 1-216-827-11 METAL CHIP 3.3K 5% 1/16W 8513 1-162-960-11 CERAMIC CHIP 220PF 10% 50V 8513 1-162-960-11 CERAMIC CHIP 220PF 10% 50V | | | | | | | | | **** | • | | |
| R506 1-216-845-11 METAL CHIP 100K 5% 1/16W R507 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R511 1-216-845-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W C852 1-162-960-11 CERAMIC CHIP 220PF 10% 50V C853 1-162-960-11 CERAMIC CHIP 220PF 10% 50V | H5U4 | 1-216-857-11 | METAL CHIP | I IVI | 5% | 1/16VV | | 1-792-195-11 | CABLE, FLEXIBLE | FLAT (14 | CORE) | |
| R506 1-216-845-11 METAL CHIP 100K 5% 1/16W R507 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R511 1-216-845-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W C852 1-162-960-11 CERAMIC CHIP 220PF 10% 50V C853 1-162-960-11 CERAMIC CHIP 220PF 10% 50V | R505 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/16W | * | | | , | , | |
| R507 1-216-827-11 METAL CHIP 3.3K 5% 1/16W | | | | | | | | | (| , | | |
| R511 1-216-845-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W C852 1-162-960-11 CERAMIC CHIP 220PF 10% 50V C853 1-162-960-11 CERAMIC CHIP 220PF 10% 50V | | | | | | | | | < CAPACITOR > | | | |
| R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W C852 1-162-960-11 CERAMIC CHIP 220PF 10% 50V C853 1-162-960-11 CERAMIC CHIP 220PF 10% 50V | | | | | | | | | | | | |
| C853 1-162-960-11 CERAMIC CHIP 220PF 10% 50V | | | | | | | C852 | 1-162-960-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| | 11010 | . 210 021 11 | WEINE OITH | 0.010 | J /0 | 1/ 1000 | 1 | | | | | |
| | R516 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/16W | | 1 102 000 11 | OZIWWIIO OIIII | LLVII | 10/0 | 001 |

SUB (CD)

Remark

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | |
|------------------------|-----------------------|--|--|------------|-------------------|---------------------------------|-------------------|
| 1101. 110. | rarrivo. | · · · · · · · · · · · · · · · · · · · | <u>rtomant</u> | 1101. 140. | <u>r urr rvo.</u> | ****** | |
| | | < CONNECTOR > | | | | HARDWARE LIST | |
| CN852 | 1-794-064-12 | SOCKET, CONNECTOR 14P | | | | ********* | |
| | | | | | | | |
| | | < DIODE > | | #1 | | SCREW +PTT 2.6X | |
| | | | | #2 | | SCREW +PTT 2.6X | ô (S) |
| D851 | | DIODE DF5A6.8FU(TE85R) DIODE DF5A6.8FU(TE85R) | | #3 | | SCREW +B 2X5 SCREW +BVTP 3X8 | TVDEO N. C |
| D852 LED851 | | LED CL-270SR-C-TS (INSERT MAI | RK) | #4 #5 | | SCREW +BVTP 3X0 | - |
| LLDOOT | 0 7 10 002 00 | ELD OL 270011 0 10 (INOLITI INITI | illy | "" | 7 000 701 00 | CONEW II II 2.0X | 10 (0) |
| | | < SWITCH > | | #6 | 7-685-793-09 | SCREW +PTT 2.6X | 8 (S) |
| | | | | #7 | | SCREW +PTT 2.6X | |
| LSW851 | 1-771-883-11 | SWITCH, TACTILE (WITH LED) (♠) | | #8 | | SCREW +P 2X8 TY | |
| | | < RESISTOR > | | #9 #10 | | SCREW, PRECISIO SCREW, PRECISIO | |
| | | (NEOIOTOTT) | | // 10 | 7 027 000 17 | OUNLEVV, I ILLOIDIO | N TI ZXZ III LO |
| R855 | 1-219-286-11 | METAL CHIP 680 2% | 1/16W | #11 | 7-628-253-00 | SCREW +PS 2X4 | |
| R856 | 1-219-286-11 | | 1/16W | #12 | 7-627-850-28 | SCREW, PRECISIO | N +P 1.4X3 |
| ****** | ********* | ********* | ****** | #13 | | SCREW +PS 2X5 | |
| | | MICCELLANICOLIC | | ****** | ********** | ******* | ********* |
| | | MISCELLANEOUS ************ | | | PARTS F∩R IN | STALLATION AND C | ONNECTIONS |
| | | | | | | ******* | |
| 9 | 1-776-207-72 | CORD (WITH CONNECTOR) (POWE | R) | | | | |
| | | | 50X/CA860X) | 251 | X-3373-602-1 | | |
| 9 | 1-776-527-71 | CORD (WITH CONNECTOR) (ISO) (I | , | 252 | | SCREW, FITTING (| |
| 0.4 | 1 700 105 11 | 04 D. F. ELEVIDI E EL 4T (44 00 DE) | (CA850) | 253 | | BUSHING (CA850) | |
| 24 201 | | CABLE, FLEXIBLE FLAT (14 CORE) | 01) | 254 255 | | SCREW ASSY (EXF | |
| 207 | 1-659-880-11 | CHASSIS (OP) ASSY (including M9) MOTOR FLEXIBLE BOARD | 01) | 200 | 3-924-901-01 | SUPPORT (ND), FI | TTING (CAOSUA/CA |
| 201 | 1 000 000 11 | MOTORT EEXIBLE BOXES | | 256 | 7-682-160-01 | SCREW +P 4X6 (CA | A850X/CA860X) |
| 1 1 1 1 1 1 1 1 | 8-820-103-03 | PICK-UP, OPTICAL KSS-720A/K1RP |) | 257 | | SCREW ASSY, FITT | |
| 212 | 1-676-707-21 | PICK-UP FLEXIBLE BOARD | | 258 | 3-040-979-01 | | , |
| F901 | | FUSE (BLADE TYPE) (AUTO FUSE) | 10A | 259 | | SCREW, +K (5X8) | |
| M902 | | MOTOR ASSY, SLED (SLED) | | 260 | 1-465-459-21 | ADAPTOR, ANTENI | NA (CA850) |
| M903 | | MOTOR SUB ASSY, LD (LOADING) | s also also also also also also also als | 261 | 2 041 000 01 | SPRING. FITTING | |
| | | | | 262 | | CORD (WITH CON | JECTOR) (POWER |
| | ACCESSORIES | & PACKING MATERIALS | | | | COND (WITH COM | (CA850 |
| | ********* | ******** | | 263 | 1-776-527-71 | CORD (WITH CON | JECTOR) (ISO) (PO |
| | | | (0.000) | | | | . = |
| | | REMOTE COMMANDER (RM-X113) | | 264 | | SCREW +KTP 3X12 | |
| | 1-470-340-41 | REMOTE COMMANDER (RM-X112) | 50X/CA860X) | 265 | 3-231-301-01 | STRAP (ROTARY C | OWNINANDER) (IOI |
| | 1-476-589-11 | REMOTE COMMANDER (RM-X5S) | 3074 07100071) | * 266 | 3-671-893-00 | CLAMP (LOW TYPI | E) (for RM-X5S) |
| | 3-020-953-01 | LABEL (MODE) (for RM-X5S) | | 267 | X-3373-432-1 | BRACKET ASSY (fo | ır RM-X5S) |
| | 3-229-196-11 | , | | 251 | | 254 | 255 |
| | | DUTCH,ITALIAN,GERM | IAN) (CA850) | | ı | | ¬ |
| | 3-229-196-21 | MANUAL, INSTRUCTION (ENGLISH | SPANISH | The second | | 252 253 | S |
| | 0 220 100 21 | SWEDISH, PORTUGUESE. GREE | | Still . | | 5 | |
| | 3-229-198-11 | MANUAL, INSTRUCTION (ENGLISH | FRENCH, | | | | |
| | | SPANISH) (CA85 | , | 257 | | 258 | 259 |
| | 3-229-199-11 | MANUAL, INSTRUCTION, INSTALL | | 256 | | | |
| | 3-229-200-11 | FRENCH, SPANISH) (CA85 MANUAL, INSTRUCTION, INSTALL | , | | | | |
| | 0-223-200 - 11 | FRENCH, DUTCH, ITALIA | , | | v | | |
| | | | (CA850) | 260 | 261 | 262 | 263 |
| | 3-229-200-21 | MANUAL, INSTRUCTION, INSTALL | • | 200 | ~~ ~~ | LUL | 203 |
| | | SPANISH,SWEDISH,PO | | | | | |
| | | GREE | EK,RUSSIAN) | | | ×2 | |
| | 3-230-540-01 | LID, BATTERY CASE (for RM-X112/ | X113\ | 267 | | × 2 | |
| | | CASE (PANEL) ASSY (for FRONT PA | , | 264 | | 265 | 266 |
| ****** | | ********** | , | | | | 200 |
| | | | | | 1 | | |

(CA850) P), FITTING (CA850) ITTING (CA850X/CA860X) CA850X/CA860X) TING (CA850X/CA860X) TAPPING INA (CA850) INECTOR) (POWER) (CA850X/CA860X) INECTOR) (ISO) (POWER) (CA850) 2 TYPE4 (for RM-X5S) COMMANDER) (for RM-X5S) PE) (for RM-X5S) or RM-X5S) 255 3 9 259 263 266 The components identified by Les composants identifiés par une $mark \mathrel{{\triangle}} or dotted \ line \ with \ mark$ marque \triangle sont critiques pour ⚠ are critical for safety. la sécurité. Replace only with part number Ne les remplacer que par une piéce specified.

REVISION HISTORY

Clicking the version allows you to jump to the revised page. Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

| Ver. | Date | Description of Revision Change the page of exploded views. |
|------|----------|--|
| 1.1 | 2001. 04 | Change the page of exploded views. |
| 1.0 | 2001. 02 | New |
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